

Ibrahim Khalil

Product • Technology • Systems Builder

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Systems & Product Builder tackling business and operational challenges across industrial, consumer, and digital ventures. Experienced in designing operational systems, launching ventures, and executing research-backed policy and analytics initiatives.

Education

Ashoka University	B.Sc (Hons.) Computer Science & Entrepreneurial Leadership CGPA: 3.70 / 4 (Latin Honours: <i>Cum Laude</i>)	2022 – 2026
St. Xavier's College	Maharashtra State Board (Class XII)	2020 – 2022
St. Stanislaus High School	Maharashtra State Board (Class X)	2020

Professional Experience

OutThink outthink.io [↗](#) Jul 2025 – Present
Product Manager

- Own product strategy and delivery across the platform's core risk-reduction engine: real-time phishing threat detection (**RTT**, the company's first production feature, now reaching **100+ enterprise customers**), an autonomous AI-driven phishing simulation program, and campaign lifecycle management.
- Lead a cross-functional squad of **11** (2 backend engineers, 2 frontend engineers, 2 QA engineers, 1 designer, 2 infrastructure engineers, 2 technical support engineers from Customer Success), running the full agile cadence, sprint planning, daily standups, backlog grooming, retrospectives, and **30–40 Jira tickets** per sprint, over **13+ months**.
- Led the design and launch of an **AI-powered risk-scoring engine** that automatically grades the realism and difficulty of phishing threats, combining third-party threat-intelligence integrations with an industry-recognized security-analysis framework to give admins a standardized way to gauge organizational exposure; ran **15+** product experiments and wrote **20+ PRDs/specs** across the roadmap.
- Directed a full product rebrand and gamification relaunch of the platform's engagement product, coordinating design, engineering, and infrastructure through a phased migration with **zero customer-facing downtime**.
- Worked on **2** enterprise identity and access integrations (Google Workspace, Okta), enabling automated user provisioning at scale and cutting manual admin overhead for large customer deployments.
- Regularly engage directly with go-to-market teams (customer success, sales, marketing) to align on product vision and delivery timelines, running discovery calls (including **6+ ICP interviews** for the **ForwardLatch** initiative), triaging escalated production issues, and translating customer feedback into roadmap input.
- Shipped a self-configuring automation flow that lets administrators launch phishing simulation programs end-to-end without manual setup, reducing time-to-value for new customer deployments.
- Introduced an audit logging system giving enterprise customers visibility and compliance-ready traceability into all admin actions across the platform.

Bombay Stock Exchange (BSE) bseindia.com [↗](#) May 2022 – Jul 2022
Cybersecurity Policy & Risk Intern

- Evaluated cybersecurity governance policies and contributed to **risk assessment frameworks** across enterprise systems.
- Analyzed honeypot security solutions across **5+ vendor architectures** and participated in consulting discussions with outsourced security teams.

Sequaretek sequaretek.com [↗](#) Dec 2022 – Jan 2023
Malware Analyst & Research Intern

- Built and deployed **real-time honeypot threat intelligence tools**, logging **1,000+ attack attempts** and analyzing attacker behaviour patterns.
- Developed a **REST API** to aggregate and visualize geographical phishing attack data for cybersecurity analysis.

Social Impact & Policy Work

Sarfaroshi Foundation sarfaroshi.net [↗](#) May 2023 – Jul 2023
Research Fellow

- Conducted **55+ qualitative interviews** in Kairana for a socio-economic field study, producing a baseline demographic knowledge report at district and parliamentary levels.

- Worked with district officials — Magistrate, Chief Development Officer and Election Commission representatives — to access data and propose policy recommendations.

Jan Jagran Shakti Sangathan jssbihar.in

Jun 2024 – Jun 2024

Field Researcher

- Conducted field research across **200+ households** in **9 villages across 2 districts in Bihar**, studying employment in Dalit communities and access to public welfare schemes.
- Worked with grassroots unions to organize workers and advocate for labour rights through data-driven workshops.

NITI Aayog niti.gov.in

May 2024 – Jun 2024

Policy Researcher

- Contributed to a policy white paper on **Health Tech in India** under the Vice Chairperson's office, synthesizing insights from **15+ national reports**.

SaveLife Foundation savelifefoundation.org

Jul 2023 – Aug 2023

Data & Policy Intern

- Analyzed **200+ hours of highway CCTV footage** to identify road safety violations and propose policy interventions.
- Built internal software tools for crash investigation datasets enabling **fast natural-language queries** for government policy meetings.

Leadership & Positions Held

Ministry of Technology, Ashoka University Student Government

May 2024 – May 2025

Minister ← Deputy Minister of Technology

- Developed and spearheaded Ashoka's **first university-wide student engagement platform**, onboarding **3,645+ users** and facilitating 1,360+ cab requests, 1,045+ course reviews, and 200+ pool subscriptions.
- Leading the mailroom project to digitize parcels in and out (~600+ parcels every day) to reduce staff hours, orphan packages, and inefficiencies by **40%**.
- Launched **14+ high-impact student initiatives**, including Semester Planner, Degree Tracker, Pool Cab, Borrow Emergency Assets, and WiFi Heatmap, achieving **95%+ student penetration** and up to **13.5+ minutes** of average engagement time.

Placement Committee, Career Development Office

Dec 2023 – Jul 2024

Projects and Collaborations Head

- Built **Duperset**, a Chrome extension with **900+ users**, and developed a custom website consolidating placement tools used by **3,500+ students** across the university.
- Developed resume-verification APIs to streamline internal admin processes using Google Apps Script, supporting structured data workflows for **200+ recruiting companies**.
- Collaborated with stakeholders and tech teams to maintain databases, manage external opportunities, and streamline internal processes across the placement lifecycle.

Ashoka University Election Commission

May 2024 – Oct 2024

Chief Technology Officer

- Designed and deployed a secure, transparent, and independently verifiable election platform for **2,800+ students**, recording **1,300+ votes with 0% error**. Conducted Ashoka Student Government's first digital election on a custom-built platform, improving user experience, privacy, and security.

Computer Science Department, Ashoka University

May 2025 – May 2026

Undergraduate Student Representative

- Elected Student Representative (May 2025 – May 2026) among 10 candidates, representing 300+ undergraduate students across Computer Science and CS-interdisciplinary majors.

Ashoka University

Mar 2023 – Sep 2024

Head of Technology

- Led digital initiatives for **TEDxAshoka** and 6+ student societies/fests, including Ashoka Political Science Society, Ashoka Society for International Trade and Foreign Policy, and 180 DC Consulting, improving operational efficiency and digital accessibility by 30%.
- Engineered a **Gamified Digital Treasure Hunt** for 300+ student participants, enhancing engagement and event participation.
- Optimized SEO and PR strategies for TEDxAshoka, resulting in a 45% increase in event registrations while managing in-house booking and communication systems.

- Built a student-run literary platform that published 300+ literary pieces from 80+ contributors across diverse backgrounds, promoting inclusivity in literature.

Software Projects & Freelance

Ashoka Marketplace

- Full-stack web app using **TypeScript (BE)**, **Next.js**, APIs; multi-vendor e-commerce for Ashoka University.
- Users can own/manage multiple vendors, create unlimited listings with stock/on-demand inventory types, and maintain wishlists.
- Single sign-on with Google authentication ensures secure, seamless access.

Center for Translation

- Search engine for Ashoka University's Portal of Translated Literatures, improving accessibility and cross-cultural exchange.
- Curated a database of 12,000+ books to support language diversity and global literary appreciation.

IGNIS MUN

- Auto-mailing system and certificate generator, streamlining 100+ MUN participation requests.

PhishSignal [\[Link\]](#)

- Chrome extension built in **TypeScript** for Gmail; detects phishing attacks in real time using a rule based engine.

StorageManager Pro

- Cross-platform storage management app (**Electron.js**) with graphs, charts, and enhanced UI/UX for fast file analysis.

MailFocus

- Chrome extension (**React** + **TypeScript**) for inbox productivity; filters emails, manages priority senders, domains, and keywords.

Research Projects

Understanding Religious Ghettoisation in Neighbourhoods Through Voter Lists and Machine Learning [\[Link\]](#)

- Developed a scalable pipeline for processing voter lists using OCR, machine learning, and automated data scraping, enabling demographic analysis at local, regional, and national levels. Developing further to combine with satellite data on road networks, night light luminosity, and open source map data.

AI Plagiarism Detector

- Focused on identifying AI-generated and AI-edited (humanized) content, distinguishing subtle patterns in AI-human mixed text.
- Engineered a model using linguistic and statistical features (e.g., perplexity, burstiness, Zipf's law) to predict AI influence in written content with high accuracy.
- Further optimized the supervised model using a primary dataset sourced from students with mixed AI-Human content.

Randomness Beacon

- Developed a real-time, publicly auditable randomness beacon using cryptographic hashing and entropy sources for secure, unbiased random number generation.
- Integrated a webcam-based entropy source, leveraging live video noise to enhance unpredictability.
- Built a Node.js-based backend with a Python-powered entropy computation module, ensuring high efficiency and security.
- Designed a public API for third-party applications to access verified random values, supporting research, cryptography, and fair decision-making.

Parachute Candidates Analysis [\[Link\]](#)

- Analyzed political parachuting in Lok Sabha 2019, studying 206 parachute candidates out of 8,157 to uncover candidate-constituency dynamics and electoral success correlations.

Estimating the Phishing/Non-phishing Probability of a URL using a Tree-based Ensemble Model [\[Link\]](#)

- Co-authored with Megh Agarwal; built a random forest classifier over **20** lexical URL features (hostname length, brand/typosquatting detection, query and path structure) that estimates a URL's phishing probability rather than a binary label, achieving **91.3% accuracy** (AUC **0.97**).

Ongoing Ventures

MetaLaunch Labs LLP metalaunchlabs.com [AI-Native EdTech Platform]
Building **MetaLaunch**, an AI-native longitudinal student success platform spanning a student’s full academic and early-career journey, from college applications through job placement. Gives students, counsellors, and institutions a shared canonical profile, with an MCP-based AI interface so every tool on the platform is usable through the AI client an institution or student already has.

Towluxe [Consumer Brand]
Currently managing a premium towel and bath textile brand, overseeing product quality, supply chain processes, and direct-to-consumer distribution, with a focus on operational excellence, brand positioning, and customer experience.

Teaching & Mentorship

CreatEd — Teacher and mentor for 3 students, guiding them through project work, skill development, and creative problem-solving.

Teaching Assistant, Introduction to Computer Science — Supported 130+ students under Prof. Debayan Gupta (PhD, Yale) & Prof. Aalok Thakkar (PhD, UPenn), assisting with lectures, assignments, and lab sessions.

Lodha Genius Program — Mathematics Teaching Assistant during Summer 2023, helping students strengthen problem-solving skills and conceptual understanding.

Technical Skills

Languages: Python, TypeScript, C, C++, Java, R

Frameworks: React, Express.js (EJS), Electron

Cloud & Infrastructure: AWS, Azure, Linux, Raspberry Pi, REST APIs

Product & Collaboration: Notion, Jira, Figma, GitHub, MS Office Suite

Automation: Node.js, Google Apps Script, Power Automate

Software Development: Web Apps, Desktop Apps, APIs, Chrome Extensions, CLIs, Google Add-ons

AI & Data: Machine Learning, Prompt Engineering, Stata, MongoDB, MySQL

Awards & Accomplishments

Award for Innovation Office of Student Affairs, Ashoka University (sole recipient)	<i>Mar 2026</i>
Highest Placement Package, Batch of 2026 Ashoka University	<i>2026</i>
Student Life Service Award , Ministry of Technology Office of Student Affairs, Ashoka University	<i>Feb 2025</i>
Award for Creativity and Entrepreneurial Initiatives Office of Student Affairs, Ashoka University (sole recipient)	<i>Feb 2025</i>
Chandanben Mohanbai Patel Rotary Excellence Award Rotary Club of Bombay	<i>Sep 2020</i>

Languages

- English (Native)
 - Hindi (Working Proficiency)
- Urdu (Working Proficiency)
 - Marathi (Basic Understanding)

Areas of Interest

- Industrial Ventures
 - Technology-enabled Services
 - Manufacturing and Supply Chains
- Consumer Products
 - Public Infrastructure and Governance Systems