

Prapti Maitra

Aspiring Product Manager

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PROFESSIONAL SUMMARY

Edinburgh CS & Mathematics graduate with hands-on experience in software engineering, machine learning, and client-facing delivery across technical and non-technical teams. Transitioning into Product Management with a strong analytical foundation, practical shipping experience, and a particular interest in data and AI-adjacent products.

EDUCATION

BSc (Hons) Computer Science & Mathematics · 2:1 Honours, 09/2019 – 06/2024 | Edinburgh, UK
University of Edinburgh

EXPERIENCE

IT Analyst, ITSec Middle East 01/2026 – 04/2026 | Doha, Qatar

- Gathered requirements from the client and configured an Information Security Management System (ISMS) using the ISMS Online platform, aligned to Qatar government cybersecurity standards.
- Installed the company's first physical firewall device, produced the full network diagram, and deployed endpoint security across all office devices.
- Maintained and expanded the CRM system, managing business development contacts and supporting ongoing client relationship management.

Cybersecurity Intern, ITSec Middle East 08/2025 – 12/2025 | Doha, Qatar

- Built a production CRM system from scratch in TypeScript, Node.js, and Prisma ORM — sat in client intake meetings to gather requirements and translated them into a technical specification before writing a line of code.
- Wrote Python scripts using the OpenAI Whisper API to automate internal transcription workflows, reducing manual communication overhead.
- Completed the Sophos Certified Firewall Engineer certification and handled day-to-day company communications throughout the internship.

Data Science Intern, Healync Technologies 05/2022 – 08/2022 | Kolkata, India

- Built interactive Power BI dashboards visualising patient health metrics for clinical end users; the dashboards were adopted by client doctors to track KPIs in real time.
- Extracted and analysed 500+ records from MongoDB, identified data quality issues, and automated reporting workflows — reducing project delivery time by 2 weeks.
- Communicated between engineering and clinical teams, translating technical outputs into language clinicians could act on.

PRODUCT WORK & PROJECTS

Street Dog Foster Care App, React Native · Expo · TypeScript · Supabase · PostgreSQL 2026

- Built a cross-platform mobile app for a Delhi NCR NGO to track 50+ street dogs — managing health records, vaccinations, sterilisation status, and GPS locations.
- Designed a PostgreSQL schema with 6 relational tables, row-level security, and auto-generated medical reminder schedules based on each dog's age and medical history.
- Integrated GPS capture, camera/photo library, push notifications, SheetJS Excel export, and a Google Maps screen with colour-coded health-status pins.

Post-Covid UK Mathematics Assessment Study  2023 – 2024
Python · Jupyter · Statistical Analysis

- Led data collection and analysis across 888 modules at 24 UK universities; applied ANOVA, Mann-Whitney U, PCA, and K-means to confirm a statistically significant post-pandemic shift in assessment practice ($p < 0.00001$).
- Co-authored empirical findings on the lasting impact of Covid-19 on UK higher education assessment — graded 84%.

SKILLS

Technical: Python, TypeScript, JavaScript, Swift, SQL, R, PostgreSQL, MongoDB, React Native, Node.js, REST APIs, TensorFlow, Git, Power BI

Data & Statistics: Regression, ANOVA, Hypothesis Testing, PCA, K-means, Probability, Correlation, Experimental Design, Pandas, NumPy, Jupyter

Transferable Skills: Requirements gathering, Stakeholder communication, Cross-functional collaboration, Independent end-to-end delivery, Client-facing engagement, Structured problem solving, Technical writing

CERTIFICATIONS & TRAINING

- IBM Product Manager Professional Certificate
- Introduction to Machine Learning
- Introduction to DevOps

LEADERSHIP & ACTIVITIES

Edinburgh Hoppers Committee, Represented gender minorities in Informatics; 2021 – 2024
organised tech workshops, virtual hackathons, and industry talks

Edinburgh Award for Leadership — Maths Outreach Team Leader, supervised 20 2021 – 2023
students, coordinated 5+ events for children aged 6–17, achieved 40% increase in participation