

PRAGEESHA PRABHAGER

Computer Science Undergraduate

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PROFESSIONAL SUMMARY

Second-year Computer Science undergraduate at IIT (University of Westminster, UK), focused on building scalable web and mobile applications using MERN and Flutter. Experience across API design, backend logic, and frontend development with JavaScript, Java, and Python. Looking for a software engineering role to contribute to production-level systems and improve engineering depth.

TECHNICAL SKILLS

Languages (Proficient): Java, Python, JavaScript, TypeScript, Dart

Frontend: React, Next.js, Flutter, HTML, CSS, Tailwind CSS

Backend: Node.js, NestJS, FastAPI, Spring Boot, REST API

Databases: PostgreSQL, MySQL, MongoDB

Tools & Platforms: GitHub, Figma, VS Code, AWS

PROJECTS

PocketRoom — AR Furniture Visualization App

Sep 2025 – Mar 2026

Flutter, Unity (AR), React, Vite

- Delivered an MVP AR-powered mobile app enabling users to visualize furniture placement with accurate 3D rendering in their real environment.
- Integrated Unity AR engine with Flutter front-end, achieving under 80ms render latency for real-time furniture placement.
- Presented as SDGP (Software Development Group Project), a graded university capstone project.

Tripinger — AI Powered Travel and Mobility Platform

May 2026 – Present

React, TypeScript, Tailwind CSS, Node.js, NestJS, PostgreSQL, OpenAI API, Mapbox

- Building an integrated travel platform enabling users to discover accommodations, rent vehicles, book activities, and generate personalized itineraries across Sri Lanka from a single application.
- Designing a modern, responsive web experience with React and Tailwind CSS focused on seamless trip discovery, booking workflows, and travel planning for both tourists and local travelers.
- Integrating mapping and location services to provide route visualization, destination exploration, and location-based travel recommendations throughout the user journey.

Loan Approval & Loan Amount Prediction System

Feb 2025 – Apr 2025

Python, Pandas, NumPy, Scikit-Learn, Matplotlib, Jupyter Notebook

- Built classification and regression models to predict loan approvals and maximum loan amounts from financial datasets.
- Applied data preprocessing, GridSearchCV hyperparameter tuning, ensemble learning, and performance evaluation using multiple ML algorithms.

Personal Data Privacy Dashboard

Jan 2026 – Apr 2026

Java, Spring Boot, React, PostgreSQL

- Developed a full-stack web platform for users to view, manage, and control personal data access across multiple applications.
- Implemented consent management, granular permission controls, and audit logs covering 100% of CRUD operations with traceable history.
- Designed RESTful APIs in Spring Boot serving a React front-end with role-based access control.

Personal AI Learning Tracker

Oct 2025 – Nov 2025

Next.js, Node.js, MongoDB, REST API

- Built a full-stack web application for tracking daily learning sessions with AI-generated progress summaries and analytics dashboards.
- Integrated a REST API with MongoDB to store and query 30+ day learning histories, visualizing skill growth trends over time.

EDUCATION

BSc (Hons) Computer Science

Sep 2024 – Present

Informatics Institute of Technology (IIT) — University of Westminster, UK

International Advanced Level (IAL)

Jul 2022 – Aug 2024

Gateway College, Colombo

Edexcel IAL — Further Mathematics, Pure Mathematics, Chemistry, Physics

Primary & Secondary Education (National O/Ls)

Aug 2008 – Jun 2022

Highlevel International School, Hatton

CERTIFICATIONS

- Prompt Engineering with LangChain — LinkedIn Learning (2026)
- The Complete JavaScript Course 2025: From Zero to Expert — Udemy (2025)
- AWS Cloud Technical Essentials — Coursera (2025)
- Microsoft Python Developer Certificate — Coursera (2024)

LEADERSHIP & VOLUNTEERING

Informatics Institute of Technology (IIT)

- Design and Branding Manager — Students' Union (2025/2026)
- Volunteer, Delegate Handling — CodeSprint X (2025)
- Volunteer, Industry Outreach — Coderally 6.0 (2025)
- Volunteer, Membership Development — Hacksphere '24 (2025)
- Volunteer, Delegation Handling — Aftermath (2025)
- Standing Committee Member — IEEE Student Branch (2024)

Highlevel International School

- Senior Prefect — Highlevel International School (2022)
- Events Compere — Highlevel International School (2022)

EXTRA-CURRICULAR ACTIVITIES

- Basketball — School Basketball Team
- Trinity College London Keyboard — Grade 3

REFERENCES

Mr. R. C. Karunakaran, LL.B., LL.M. (Col), PgD HR

Solicitor (England & Wales), Attorney-at-Law & Notary Public | Roll No: A 7182

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Mr. Torin Wirasingha

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