

# DURGHAASHINI S RAGUNATHAN

Computer Science Undergraduate | Software Development | Full-Stack | AI

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## PROFESSIONAL SUMMARY

Computer Science undergraduate with hands-on experience in full-stack development, AI-focused systems, database-driven applications, and real-world client work. Developed a Django-based loan management system for a business client, with prior IT support experience and published AI research. Skilled in Python, Django, JavaScript, PHP, React, SQL, Git, and relational databases.

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, PHP, JavaScript, HTML, CSS, SQL, VB.NET, Dart

**Frameworks & Development:** Django, Flask, FastAPI, React, Flutter, Tailwind CSS, Windows Forms

**Databases:** MySQL, MariaDB, PostgreSQL, SQLite, Microsoft SQL Server

**Tools & Platforms:** Git, GitHub, VS Code, Visual Studio, XAMPP, Postman

**Certifications:** Data Science & Analytics - HP LIFE (2026) | SQL Foundations - Microsoft × Coursera (2026) | AI Fundamentals - Google × Coursera (2026)

## EXPERIENCE

### Freelance Full-Stack Developer

*Custom Loan Management Web Application | Dec 2025 - 2026*

- Developed a custom Django-based loan management web application for a real business client, centralizing customer, loan, payment, ledger, receipt, reporting, and staff-access workflows.
- Translated business requirements and manual operational processes into structured application workflows, role-based access, and reporting functionality.
- Built and integrated features using Python, Django, HTML, CSS, JavaScript, SQLite, authentication controls, and document-generation tools.

### IT Intern - Information Technology Unit

*Lembaga Air Perak, Ipoh | Sep 2021 - Feb 2022*

- Provided technical troubleshooting and support for employee computers, software, printers, and network-related issues.
- Assisted with workstation setup, system configuration, backups, and IT equipment checks as part of day-to-day IT operations.

## SELECTED PROJECTS

### AI-Driven Gamification for Personalized Wellbeing Monitoring

*Bachelor's Final Year Project*

- Developed an individual FYP module within a collaborative university mental-health application, focusing on mood-based interaction, wellness activities, rewards, progress tracking, and AI-assisted personalized feedback.

### DevBoost - AI-Powered Developer Productivity Platform

*Future Ready Hackathon 2025 | Team Lead*

- Led a three-member student team developing a prototype that combined repository management, documentation generation, AI-assisted test creation, task collaboration, and activity tracking.

### UCSI Road Damage Reporting System

*Web Programming Group Project*

- Developed frontend interaction logic for a campus road-issue reporting platform, including the user dashboard, submission forms, client-side validation, JavaScript modals, multi-photo preview, and report tracking.

## EDUCATION

### Bachelor of Computer Science (Honours)

*UCSI University, Kuala Lumpur | Aug 2024 - Expected 2027 | CGPA: 3.54 | Dean's List*

### Diploma in Information Technology (Digital Technology)

*PoliTeknik Balik Pulau | 2019 - 2022 | CGPA: 3.58 | Dean's List | Pingat Ketua Jabatan*

## PUBLICATION

Co-author, "Artificial intelligence-powered image recognition retail checkout systems," International Journal of Advances in Applied Sciences, 2026. DOI: 10.11591/ijaas.v15.i1.pp187-197