Enosh Earnest

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A final year Computer Science student driven to create impactful, full stack systems that aim to solve applied problems. With expertise in Python, UI/UX design, application optimisation, and user centric design. Possessing Digital Operations experience and on track to graduate with a First Class Honours degree in July 2026.

TECHNICAL SKILLS

Languages: Python, JavaScript, HTML, CSS, SQL.
Machine Learning & AI: API Integration (Google Gemini), Prompt Engineering, Data Analysis & Validation.
Web & Cloud: Microsoft Azure, Docker, Django, Vue.js, React Native, Flask, Node.js.
Databases: SQL Server, MongoDB Atlas, SQLite.
Tools: Git, Figma, DaVinci Resolve, MongoDB Compass.
Concepts: Object Oriented Programming, Software Testing, Agile/Scrum, Accessibility Principles, RESTful APIs.

EDUCATION

University of Derby
Bachelor of Science (Honours) in Computer Science   **Expected: July 2026**

Relevant Campus Coursework:
- Functional Programming (90/100)
- Legal, Ethical and Sustainability Issues (84/100)
- Foundations of Computer and IT Systems (82/100)
- Team Project based on Employer Brief (80/100)

Relevant Off Campus Coursework:
- Complete Python Bootcamp (Udemy)
- AI Essentials (Google)
- Machine Learning with Python (LinkedIn Learning)
- Fundamentals of UI/UX Design (Microsoft Learn)

Organisations: Computing society, Artificial Intelligence society, Christian Union, Rolls Royce Technology Hub.

PROJECTS

SEEC - A Public Transport App for the Visually Impaired │ React Native • Node.js • Google Directions API   **GitHub**

- ➔ **Led a team of four** in developing a voice controlled mobile application tailored for **Journeo Plc** to assist visually impaired users in navigating bus journeys, integrating **Google Directions API** and live location tracking **via Expo Location** to achieve **85% accuracy** in route generation and **90% adherence** to turn by turn guidance.
- ➔ Integrated an image to text feature using the **Google Vision API**, processing camera or gallery images to achieve **98% OCR accuracy** and convert physical signs into an audible format for users.
- ➔ Reduced navigational anxiety for visually impaired users by **25%** by implementing a dynamic **voice feedback system using Expo Speech**, which also improved ease of following instructions by **30%** during user acceptance testing.

SnapBack - An Employee Fatigue Monitoring Platform │ Python • Flask • SQLite • Pygame   **GitHub**

- ➔ Built a role based web app with distinct dashboards (Employee, Manager, HR) and **15+ routes**, integrating fatigue scoring from **4 cognitive games and daily wellness surveys**, enabling live fatigue tracking for **25+ users across 3 teams.**
- ➔ Engineered and deployed 4 accessible games (reaction test, visual oddity finder etc.) using Pygame, with real time score submission via Flask API, tracking **500+ session metrics (reaction time, accuracy, fatigue, decision making) across 10 simulated days.**
- ➔ Implemented team fatigue trend analytics with Chart.js, dynamic SQL joins, and threshold based alerts (<40 fatigue score), generating live insights for managers with **<150 ms dashboard render time** and 100% session log retention.

EXPERIENCE (In order of relevance)

Digital Operations Summer Intern - <u>University of Derby Enterprise Centre</u>   **Mar 2024 - July 2024**
Keywords: Process Automation • CRM Systems Integration • Relational DB management • Technical Documentation
Tools: Microsoft Dynamics 365 • Davinci Resolve 19 • Microsoft 365

➔ **Streamlined** content workflows by creating **13 new digital templates** to be integrated into various platforms including University Newsletters, which **accelerated** future content creation efforts.
➔ **Optimised** internal processes by **managing and updating CRM records** for up to **400 individuals**, enhancing data organization and improving **client management efficiency.**
➔ **Architected database** solutions by updating and refining up to **8 databases**, ensuring data integrity through consistency and normalisation, and strengthening security with improved **encryption**.

Marketing/ Communications Intern - <u>Not Another Agency Pvt Ltd</u>   **Jan 2023 - June 2023**
Keywords: Data Driven Marketing • Performance Analytics • Digital Strategy • Content Lifecycle Management
Tools: Meta Business Suite • Google Analytics • Adobe Photoshop

➔ **Drove data driven** campaigns for up to **6 organisations**, leveraging platforms like Google Analytics to inform strategies and achieve a **30% increase in follower count** for a key client.
➔ Strategically **managed content delivery** for an NGO dedicated to under privileged youth, **increasing ad frequency by 3x** and significantly boosting audience engagement and reach.

Customer Advisor - <u>B&Q Derby</u>   **Mar 2025 - Aug 2025**
➔ Applied **communication and negotiation** skills by advising a diverse range of customers on product solutions and resolving issues in a **fast paced, customer facing environment.**

Client Services Associate - <u>Union of Students</u>   **Sep 2025 - Present**
➔ Provided exceptional **customer service**, assisting a diverse range of customers with sales and product inquiries while maintaining a friendly and efficient environment.
➔ Managed **daily operational tasks**, including stock replenishment, merchandising, and accurate cash handling to ensure smooth and efficient service.