

ALPHIN SHAIJU

Software Engineering Placement Applicant (2027)

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PROFILE

Second-year BSc Computer Science student at Wrexham University seeking a 2027 industrial placement in software engineering. I build full-stack web applications with Python, Django, Next.js and PostgreSQL, including AlphaBot, a live AI assistant with authentication and usage limits, and an e-commerce platform with Stripe payments. I contribute to a team frontend redesign at TAVDEV using a branch and pull request workflow, and I am practising data structures and algorithms in C++ for ICPC UK & Ireland.

EDUCATION

Wrexham University

Sept 2025 – Aug 2029 (expected)

BSc (Hons) Computer Science with Industrial Placement · Currently in Year 2

A Levels: Mathematics, Physics, Chemistry

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C++, SQL, HTML/CSS

Web & Frameworks: Django, Django REST Framework, Next.js, React, Tailwind CSS

Databases & APIs: PostgreSQL, REST API design, Stripe API, LLM APIs (OpenRouter)

Tools & Deployment: Git, GitHub, Vercel, Render

Currently learning: C (CS50x), data structures and algorithms

PROJECTS

AlphaBot · Full-Stack AI Assistant (live MVP, in active development)

alphabot-live.vercel.app

Python, Django REST, Next.js, PostgreSQL, Vercel, Render · [GitHub: Alphiii2005/alphabot-live](https://github.com/Alphiii2005/alphabot-live)

- Designed and deployed a full-stack AI assistant: Django REST backend on Render, Next.js frontend on Vercel and PostgreSQL for persistent user data.
- Implemented user authentication, email verification and per-user usage quotas, organised as separate Django apps for accounts, usage tracking and AI features.
- Integrated third-party LLM APIs behind backend endpoints to support workflows such as chat, CV generation and code assistance.
- Moved from Hugging Face-hosted models to OpenRouter after cost and latency limits, adapting response handling and the frontend to suit.
- Began as my CS50 Web capstone and has since been extended with a separate Next.js frontend; further polish and improvements are ongoing.

Manjaly's Fresh Direct · E-commerce Platform (local build)

[GitHub repository](#)

Next.js, Django REST, PostgreSQL, Stripe

- Built a full-stack store for a local food business, with Django REST APIs for products, inventory and orders, and a responsive Next.js frontend.
- Implemented a shopping cart with weight-based purchasing and stock-aware quantities so customers cannot order beyond available stock.
- Integrated Stripe test payments and webhooks for checkout and order processing, debugging and testing them locally with the Stripe CLI.
- Built Django admin tools for managing products, stock and customer orders.

EXPERIENCE

Frontend Developer (Voluntary) · TAVDEV

2026 – Present

Team redesign of the Narayanpur High School website · Vite, Tailwind CSS, Git, GitHub

- Contribute to the frontend redesign and modernisation of an existing website within a shared team codebase.
- Currently improving the notice detail page interface on a dedicated feature branch, with a pull request planned into the team's dev branch.
- Build responsive interface improvements and reusable components, keeping changes consistent with the existing design and code conventions.
- Follow the team's Git branching and pull request workflow.

Service Colleague · ASDA

Sept 2024 – Present

- Serve customers accurately and efficiently in a busy store, working with colleagues to meet daily operational needs.
- Manage shifts around a full-time degree, demonstrating reliability and time management.

COMPETITIONS & COURSES

ICPC UK & Ireland Programming Contest

2026

- Preparing as part of a university team, practising data structures, algorithms and problem solving in C++.

Harvard CS50 Courses

2025 – Present

- CS50's Introduction to Programming with Python and CS50's Web Programming with Python and JavaScript (both completed).
- CS50x: Introduction to Computer Science (in progress).