

Ebin Biju

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PROFILE

- Computer science student at Keele University with hands-on experience building full-stack, cloud-deployed web apps using React, Python, and Tailwind CSS. Developed and deployed 5+ interactive projects, including a Lloyds-branded mortgage calculator hosted on Azure with GitHub Actions CI/CD. I'm all about creating secure, scalable, and user-focused software with clean, responsive design.

EXPERIENCE

KEELE UNIVERSITY | PROJECTS AND ONLINE COURSES

Sep 2023–Present | Keele, UK

- Gained a strong foundation in computer science through lectures and coursework focused on software development, algorithms, and innovative thinking, applying concepts across 10+ coding assignments and lab projects.
- Engineered 8+ projects in Python and Java, reinforcing object-orientated programming, data structures, and algorithmic design through hands-on coursework and independent coding challenges.
- Developed front-end interfaces using HTML, CSS, JavaScript, Bootstrap, and Jekyll, integrating MySQL databases for data handling as part of the MIMO Full Stack Developer course (40+ hours of training).
- Designed and launched an interactive mortgage calculator web app using React, Tailwind CSS, and Recharts — achieving real-time performance under 100 ms response time, deployed via Azure with GitHub Actions for automated CI/CD.
- Practiced version control with Git and GitHub, managing 5+ repositories, maintaining clean commit histories, and implementing branch-based workflows for safe feature testing.

PROJECTS

- **AI-Powered Chatbot:** Built and released a chatbot handling 100+ conversational prompts using Python, Flask, and OpenAI's API, demonstrating NLP and RESTful API integration for adaptive responses.
- **Secure Web Application:** Designed a Flask-based web app supporting multiple user accounts, implementing bcrypt password hashing and validation to meet OWASP secure coding guidelines.
- **Mortgage Calculator (Lloyds Project):** Implemented a responsive mortgage calculator in React + Tailwind CSS handling instant calculations for up to 30-year loans, visualized with Recharts, and launched it via Azure with CI/CD automation.
- **Full-Stack Integration:** Built cross-functional web modules linking front-end interfaces to Python backends, implementing 3+ API integrations and web scraping routines with a focus on secure data handling.
- **Stock Monitoring Tool:** Developed an automated stock tracker monitoring 50+ product pages with Python (Requests, BeautifulSoup), sending email alerts within 10 seconds of a price change for timely user notification.

EDUCATION

KEELE UNIVERSITY

BSC IN COMPUTER SCIENCE

September 2024– | Keele

- First year: On the way to a First Class with 74%

ALCESTER GRAMMAR SCHOOL

GCSES AND A-LEVELS

May 2021–2023 | Alcester

- A Levels in: Business (A), Biology (B) and Chemistry (C)
- 2 9's, 3 8's, 4 7's and 1 5 at GCSEs including 9's in Chemistry and Biology, 8's in Physics and Business and 7's in English Lit/Lang and Maths

TECHNOLOGY STACK

FRONTEND

HTML, CSS, JavaScript, React (Vite), Tailwind CSS, Vue.js, Flask, Recharts

BACKEND

Python (spaCy, Flask, BeautifulSoup), Java, C/C++, SQL, REST API, Node.js

TECHNOLOGIES

VS Code, Git & GitHub, GitHub

Actions, Azure Static Web Apps, npm, Docker, MySQL, Postman.

HIGHLIGHTS

ACHIEVEMENTS/INTERESTS

- **National Citizen Service Certificate:** Recognized for leading a team of 10 students in planning and executing a community project impacting 50+ local residents.
- Coordinated and led weekly training sessions to enhance team strategy and communication.
- Represented Keele in 3+ university tournaments, achieving strong performance through teamwork and planning.
- Performed at 4+ major university events per year, promoting cultural representation and student engagement.
- Collaborated with event committees to grow society membership and campus visibility.
- Performed at 10+ national events, including O2 Apollo Manchester, collaborating with professional artists for large-scale shows.