Daniel Olusakin

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TECHNICAL SKILLS

Proficiencies: Java, Python, MySQL, JavaScript, React, HTML, CSS, Git, PostgreSQL, PHP
Relevant Coursework: Data Structures and Algorithms, Database Systems, Software Development, Intro to AI, Web Development, Further Object-Oriented Programming, Computers and the Cloud

EDUCATION

University of Kent (2023 - 2027)   **Canterbury, Kent**
(BSc) Computer Science   Percentage: 84%
- Expected: First - Class Honours

WORK EXPERIENCE

University of Kent   **Canterbury, Kent**
Computer Science Assistant Tutor   Sept 2024 - Present
- Helped instruct approximately 12 students per session on object-oriented programming concepts in Java, including overriding, polymorphism, and encapsulation.
- Support students in applying theoretical concepts to practical projects, ensuring they have a correct understanding of the implementations.
- Analysis of students' source code to identify and help debug issues by providing targeted guidance for improvement.

Imperial DoCSoc   **Imperial, London**
ICHack Participant   Feb 2025 - Feb 2025
- Participated in the biggest 24-hour hackathon in Europe focused on creating a project aligning with the challenges set by industry leading companies.
- Led a team to develop an AI-powered web application designed to enhance computer science student education, tasked by JetBrains.
- Successfully delivered a finished product under tight time constraints through effective team collaboration and agile problem-solving, then pitched it to a panel of judges.

InvestIN   **UCL, London**
Young Software Engineer Summer Experience   Nov 2021 - Nov 2021
- Collaborated with a dedicated team and scrum master in hybrid work to build complete websites.
- Developed web applications using JavaScript, focusing on creating responsive and user-friendly interfaces.
- Gained exposure to software testing methodologies, including black-box and white-box testing, to make sure of reliable code.

PROJECTS

Library Management System | Java | MySQL | Docker | Maven | Book API
- Developed a comprehensive library management system to efficiently track books, users, and rental transactions, using MySQL as a RDMS.
- Enhanced the user experience with a modern UI using FlatLaf, to maintain a minimalist design.
- Secured user registration and authentication with password hashing using JBCrypt to salt the data being passed during registration.
- Tested functionality through the use of JUnit for quality assurance in code.

JPMorgan Chase & Co Software Engineering Simulation | Java | Spring Boot | H2 SQL | Kafka | Incentives API
- Developed a Spring Boot backend for a simulated financial system, integrating Apache Kafka for real-time transaction processing and H2 database for validated transaction persistence and balance management.
- RESTful API endpoints (including a user balance query) and integrated with an external Incentives API, showcasing comprehensive API development.

Decentralised Chat Application (Polka Chatt) | JavaScript | React | Solidity | TypeScript | Ethers API
- Built a pseudo-anonymous dApp during a 3-day hackathon to leverage blockchain for secure message storage.
- Integrated with the Polkadot ecosystem via Moonbeam for Ethereum-compatible smart contracts.
- Developed a React/TypeScript frontend alongside Solidity smart contracts, using Web3/Ethers.js for blockchain interactions.

AI Code Feedback | JavaScript | React | Python | Flask | HTML | CSS | OpenAI API
- Developed a web application that analyzes user-submitted code and provides targeted feedback.
- Designed an accessible UI in React with features like text-to-speech (TTS) to account for visual impairment.
- Built a Flask backend integrating OpenAI's API to optimize prompt responses for more accurate and targeted feedback.

EXTRACURRICULAR

Google AI Hackathon
- Chosen as 1 of 55 candidates out of 450+ applicants to take part in a full day of innovation and collaboration.
- Challenged to build an MVP using AI for fun, good or ease by leveraging Gemini API. A web app using React.js and TypeScript was designed to help pre-teens rediscover the joy of storytelling by co-creating a story with AI, while utilising Google Veo to depict the scenes created.

EasyA Polkadot Hackathon
- Participated in a 3-day event focused on programming blockchain smart contracts using specialized languages.
- Developed and pitched a chat application that met set standards, earning DOT coin from the prize pool.

Google Algorithms Workshop
- Attended a 2-day hybrid workshop hosted by a Google Program Manager in London.
- Gained valuable insights into algorithms and data structures, learned about progression of algorithms used at Google like PageRank.

ICHack 2025 Hackathon
- Participated in a 24-hour hackathon sponsored by industry leaders including Marshall Wace, Optiver, Anthropic, and JetBrains.
- Took a leadership role and led my team in building an AI code feedback application with enhanced accessibility features and pitched the project to JetBrains representatives.

Technology Spring Week w/ Springpod
- Engaged in a week-long remote program covering software engineering, data science, and web development.
- Participated in daily task briefings on Microsoft teams, and examinations to deepen my practical knowledge.

AWS Summit 2025
- Attended a summit in London hosted by Amazon offering opportunities to learn about the latest AWS services, network with professional developers working in cloud computing, and gain insights into cloud innovation.
- Visited the GenAI Pavilion booth and gained insights on the usage of Amazon Bedrock and how it would help shape the future of business and technology.