

Nowres Al-Rubaie

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SUMMARY

First-Class Computer Science graduate specialising in full-stack development, cloud deployment and secure authentication systems. Built AI-driven projects, RESTful APIs and full-stack applications. Led a team delivering a client website on time using agile methods. Experienced coding instructor with excellent communication and problem-solving skills, quick in learning and applying new technologies to teaching. British citizen, native English speaker.

EDUCATION

University of Roehampton, London

BSc Computer Science, First Class Honours

London, UK

2024

TECHNICAL SKILLS

Languages: Python 3 (advanced), JavaScript (intermediate), SQL

Frameworks & Tools: Node.js, React, Docker, Kubernetes, Git (Version Control), Postman, Unit Testing (PyTest)

Cloud & Databases: AWS, Azure, MongoDB, PostgreSQL

Other: REST APIs, Authentication (JWT/OAuth), CI/CD concepts, Agile teamwork, Teaching/mentoring

EXPERIENCE

Coding Teacher

May 2023 – Present

Coco Coders / Cypher Coders / EK Outreach Services

London, UK

- Teach Python, JavaScript, HTML and CSS to students up to 18 years old (one to one and groups).
- Introduce AI concepts, building image classifier models using frameworks like TensorFlow and PyTorch.
- Teach and apply new technologies and frameworks to teaching projects, demonstrating flexibility and rapid adaptation to emerging tools.

Software Engineer & Team Leader

May 2024 – Aug 2024

Roehampton University Internship

London, UK

- Led a team of 3 to create a website for Affinity Aviation Group Ltd using WordPress.
- Coordinated project tasks using agile methods, enhancing team collaboration and reducing development time.
- Served as the primary client contact, gathering requirements and clarifying specifications, with 100% project deliverables being met on time.
- Provided technical guidance on development, mentoring team members to adopt best coding practices.

SQL Computer Lab Assistant

Jan 2023 – Apr 2023

Roehampton University

London, UK

- Collaborated with lecturers to structure lab sessions and improve teaching materials for better student engagement.
- Supported 50+ university students weekly in learning SQL, troubleshooting code and resolving software and configuration issues.
- Explained database concepts and query optimisation techniques, improving student performance.

PROJECTS - (CLICK PROJECT NAME TO VIEW ON GITHUB)

Authentication Login System | *Node.js, Express, MongoDB, JWT, OAuth*

- Built a secure RESTful API with authentication features (signup, login, logout, email verification, password reset).
- Implemented social sign-in with Google, GitHub, and Facebook, making sign-ins easier and quicker.
- Enabled secure, user authentication that can be integrated into real-world applications.

AI Vacuum Cleaner Simulator | *Python, Pytest*

- Developed an AI-driven vacuum cleaner simulator using pathfinding and obstacle avoidance algorithms.
- Created real-time visualisations of AI decision-making, enhancing understanding of autonomous systems.
- Implemented automated tests to improve the reliability and maintainability of the codebase.
- Demonstrated practical AI applications, improving learners' engagement and interest in coding and AI concepts.

Travel Advisor App | *React Native, Google Places API*

- Developed a cross-platform app to help users find hotels, restaurants and attractions worldwide.
- Integrated live data from Travel Advisor API, providing live, accurate and up-to-date results.
- Implemented a multilingual search engine, increasing app accessibility and broadening reach to a global audience.