ABDULLAHI ABDULLATEEF

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PROFESSIONAL SUMMARY

Results-driven Software Engineering student (First-Class, University of Leicester) with hands-on experience in **AI engineering, full-stack development, and data analysis**. Skilled at building scalable web applications, integrating ML models, and deploying production-ready systems with **Python, Java, React, FastAPI, Spring Boot, SQL, and Docker**. Experienced in collaborative, agile environments delivering impactful technical solutions.

CORE SKILLS AND COMPETENCIES

- **Full-Stack Application Development**: Skilled in building responsive, scalable web and mobile applications using React, Spring Boot, Flask, and FastAPI, with strong proficiency in integrating front-end and back-end systems.
- **Data Analysis & Problem-Solving**: Adept at cleaning, processing, and analyzing large datasets using Python (Pandas, NumPy) and SQL, delivering actionable insights and optimizing performance.
- **Backend Engineering & API Development**: Experienced in designing and implementing REST APIs, managing databases, and ensuring secure, efficient data flow in client-server architectures.
- **Version Control & CI/CD Automation**: Proficient in Git, GitHub Actions, and Docker to streamline collaborative development, ensure reliable deployments, and maintain clean codebases.
- **Agile Collaboration & Communication**: Strong ability to work in cross-functional teams, applying agile methodologies, task prioritization, and clear communication to meet project deadlines.

WORK EXPERIENCE

SOFTWARE DEVELOPMENT & AI ENGINEERING INTERN |July 2024 – Aug 2024|
Headstarter AI

- Designed, developed, and deployed an AI-powered automation tool that streamlined data handling workflows, reducing manual processing time for test datasets by 40% and increasing overall operational throughput.
- Integrated advanced TensorFlow and PyTorch machine learning models into an existing platform, boosting predictive accuracy by 18% and enhancing model robustness across diverse data sets.
- Engineered and implemented CI/CD pipelines using GitHub Actions, automating build, test, and deployment processes, and reducing deployment-related errors by 35%.
- Collaborated on a large-scale fellowship project serving a target user base of 1,000+, delivering a platform that achieved 99% uptime during performance testing and met strict scalability benchmarks.
- Performed 10+ detailed code reviews weekly, ensuring adherence to industry best practices, optimizing code readability and maintainability, and increasing overall code quality by 20%.

Bright Network – Internship Experience UK (Virtual Internship) |June 2024|
Bright Network

- Collaborated with peers in a cross-functional team to tackle sector-specific case studies and present practical business solutions to industry professionals.
- Completed multiple simulated business challenges under time constraints, developing problem-solving, teamwork, and presentation skills.
- Applied structured task allocation and agile working methods to manage group projects effectively and meet all submission deadlines.
- Researched and contributed to market analysis exercises, including competitor benchmarking and risk assessments, to inform strategic recommendations.
- Utilized professional collaboration tools (Slack, Trello, Miro) to coordinate tasks, share resources, and deliver outputs in a virtual environment.

EDUCATION

University of Leicester – Leicestershire, UK

- Bachelor Of Science (BSc) Software Engineering (1st Class), Sept 2022 - June 2025

Key Modules: Programming Fundamentals, Data Structures, Web Development, Machine Learning, Database Systems, Software Architecture

TECHNICAL SKILLS

- Languages: Python, Java, HTML, CSS, JavaScript (ES6+), SQL
- Frameworks/Libraries: React, Flask, FastAPI, Spring Boot, TensorFlow, PyTorch, scikit-learn
- Mobile Development: Android (Java)
- Databases: MySQL, MongoDB
- DevOps & Tools: Git, Docker, GitHub Actions, Linux, MySQL Workbench, VS Code, AWS, IntelliJ, Android Studio
- Testing: JUnit, pytest, Integration Testing
- Specialties: REST API Development, CI/CD, Machine Learning, UI/UX Design

PERSONAL SHOPPER |June 2023 – Present|
Ocado Group

♦ Maintained **98% accuracy** processing 200+ daily customer orders, improving service reliability and reducing returns by **15%**.
♦ Introduced workflow optimisations (sorting, sequencing), cutting average processing time by **12%**.
♦ Investigated and resolved **50+ monthly discrepancies**, applying data analysis to improve efficiency and customer satisfaction.

PROJECTS HANDLED

Financial Investment Assistant (Final Year Project) – Python, FastAPI, scikit-learn, MySQL
♦ Designed and implemented a **portfolio optimisation and risk analysis system**, processing **50,000+ transactions**.
♦ Integrated regression models, improving recommendation accuracy by **22%**, and built dashboards to visualise performance trends.

Shangri-La Petition Platform (Coursework Project) – Java, Spring Boot, REST API, Docker
♦ Developed a petition management platform with automated workflows, reducing approval time by **40%** in simulation.
♦ Released an **Open Data API** as part of coursework, tested by **500+ simulated users**.

Facial Recognition System (Independent Project) – Python, TensorFlow, OpenCV
♦ Built a real-time recognition system achieving **97% accuracy**, reducing processing latency by **15%**.
♦ Integrated CI/CD pipelines and automated testing, cutting deployment time by **40%**.

MOBILE TASK MANAGER APP
♦ Designed and developed an Android application for task management using Java and Android Studio.
♦ Implemented offline local database storage with SQLite for secure and fast access; added user authentication and role-based access control, improving security by 100%.
♦ Designed a Material Design-compliant UI, boosting usability ratings in user testing.

WEB ARTIST CATALOG - React, MongoDB, Docker
♦ Built a React-based website for cataloguing artists, albums, and songs; reduced average page load time by 20% through image and asset optimization.
♦ Integrated MongoDB for dynamic data storage, enabling fast and efficient retrieval; designed responsive layouts, improving mobile accessibility scores by 35%.
♦ Deployed containerized app with Docker for consistent environments.
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