Abdullah Aldosari

Riyadh, Kingdom of Saudi Arabia
Senior Software Engineering Student

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PROFESSIONAL SUMMARY

Senior Software Engineering Student with experience in software development and application testing. Proficient in leveraging AI and cloud platforms like AWS to deliver innovative software solutions. Successfully led over 10 project teams, consistently achieving project goals and delivering measurable improvements, Including a 20% increase in efficiency and enhanced collaboration across teams.

EDUCATION

•**Bachelor of Software Engineering**   *Expected Graduation: May 2025*
Prince Sattam bin Abdulaziz University, Al-Kharj   GPA: 4.98 (First Class Honors)

- Core Member at Google Devaloper Student Club.
- Core Member at Software Engineering Club.
- Presented a research plan titled *"How Much the Preparatory Year Achieves the Principle of Equal Opportunity in Education in PSAU"* at the Scientific Forum of PSAU (2022), winning:
  * Second-Best Research Plan in the College.
  * Fifth-Best Research Plan in PSAU.
- Relevant Coursework: Web Development, Application Development, Software Quality Assurance (SQA).

EXPERIENCE

•**Trainee, Imperial College London**   *June 23, 2024 – Aug 16, 2024*
                                          London, UK

Successfully completed an intensive summer training program at the **2nd best university in the world**, focusing on **Data Science**, **Engineering**, **Finance**, and **English proficiency**.

- Developed two projects that align with the Sustainable Development Goals (SDGs).
- Presented project findings at the final showcase to investors and tech professionals.
- Completed over 25 hours of English language training, improving communication and presentation skills.

CERTIFICATIONS

•**AWS Certified Cloud Practitioner**
Amazon Web Services (AWS)   Jan 2025

PROJECTS

•**Fabmatch**

A commercial platform designed to address 3D printing challenges by connecting users with designers and vendors.
- Integrated AI-powered tools for 3D modeling, transparent bidding, and advanced printing services.
- Technologies Used: MERN Stack (MongoDB, Express.js, React, Node.js), Artificial Intelligence (AI).

•**Fraud Detection System**

A machine learning-based system to detect fraudulent transactions by analyzing patterns and anomalies in financial data.
- Developed real-time classification and visual analysis of fraud indicators to enhance detection accuracy.
- Technologies Used: Python, Scikit-learn, XGBoost, PyTorch, Data Visualization (Seaborn, Matplotlib).

•**Enerstep**

A multidisciplinary project leveraging AI to estimate power output from footstep traffic for efficient energy harvesting.
- Implemented energy-harvesting solutions using specially designed tiles and analyzed power generation data.
- Technologies Used: Artificial Intelligence, IoT (Internet of Things), Data Analytics, Embedded Systems.

•**Coffee Recipe Optimizer**

An evolutionary algorithm-based tool that optimizes coffee recipes based on user.
- Designed an algorithm blending ingredients and brewing parameters to generate ideal coffee combinations.
- Technologies Used: Python, Random Algorithms, Evolutionary Computing.

TECHNICAL SKILLS AND RELEVANT COURSEWORK

Programming Languages: Python, JavaScript, Java, HTML, CSS
Frameworks & Libraries: React, Node.js, Express, Pandas, NumPy, Keras
Databases: MySQL, MongoDB, DynamoDB
Tools & Platforms: Docker, AWS (EC2, S3, RDS, Lambda), Postman, JMeter, Figma, TestLodge
Documentation & Office Tools: Microsoft Office Suite (Word, Excel, PowerPoint), LaTeX, JabRef
External Courses: Managing an Agile Team (Coursera - University of Virginia), The Git & Github Bootcamp (Udemy - Colt Steele),