Segun Oladimeji

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Profile

Innovative software engineer and machine learning enthusiast with hands-on experience in fraud detection, algorithm design, and scalable web applications. Skilled in Python, Java, JavaScript, and AWS, with expertise in building algorithms, web apps, and ML/NLP models. Proven ability to deliver impactful solutions across diverse domains, from financial systems to natural language processing. Currently pursuing a B.Sc. in Software Engineering, with growing proficiency in distributed systems, cloud automation, and machine learning.

Skills

Programming Languages: Python, JavaScript, Java, C++, TypeScript
Frameworks & Libraries: Flask, Django, React, Node.js, NumPy, Pandas, scikit-learn, Matplotlib
Machine Learning & NLP: TF-IDF, Text Classification, Model Evaluation (Accuracy, F1-score)
Database Technologies: SQL, NoSQL, Data Modeling, Query Optimization
Cloud & DevOps: AWS (EC2, S3, Lambda, Route 53), Git, Shell Scripting, CI/CD Pipelines, Docker, Linux/Unix
Soft Skills: Problem Solving, Analytical Thinking, Teamwork, Communication, Adaptability

Professional Experience

Fraud Analyst (Working Student) – Ratepay, Berlin, Germany
2024 – Present
- Analyzed 10,000+ transactions weekly using Python and SQL, improving fraud detection accuracy by 30%. Identified fraud trends and reduced false positives by 15%.
- Handled 100+ partner inquiries per month, optimizing workflows and accelerating review processes by 20%.

Production Associate – Tesla, Germany
2023 – 2024
- Supported production systems, increasing operational efficiency by 20% and reducing downtime by 15%.
- Collaborated with cross-functional teams to identify bottlenecks and optimize mechanical and digital workflows.

Front-End Development Intern – Good Will Prints
2020 – 2021
- Developed responsive web apps using HTML, CSS, JavaScript, and Django, boosting user engagement by 25%.
- Built scalable backend functionality with Python/Django and automated content workflows.

Projects

Abraham AI – All-in-One AI Content Platform
GitHub: TheGreatWizard16/AbrahamAI | Live: abraham-ai-cl.vercel.app
- Built a full-stack AI content creation platform using React + Vite frontend and Node.js/Express backend.
- Implemented Clerk authentication and PostgreSQL for secure user data management.
- Integrated OpenAI APIs for article writing, blog title generation, image creation, and resume review.
- Developed image processing features: background & object removal using Cloudinary, Multer, and pdf-parse.

Data Structures & Algorithms Visualizer
- Built a web app to visualize sorting, searching, and graph algorithms step-by-step using Python and JavaScript.
- Enhanced understanding of algorithm efficiency and complexity through real-time visualization.

Real-Time Chat Application
- Developed a multi-user chat system with React frontend and Flask backend, including REST API integration.
- Implemented authentication, message persistence, and real-time communication.

Smart Email/Text Classifier (ML/NLP Project)
- Created a Python ML model to classify emails/messages as spam or important using TF-IDF and tokenization.
- Preprocessed data, trained models, and evaluated performance with metrics like accuracy and F1-score.

Education

B.Sc. Software Engineering 2024 – Present (Expected 2027)
University of Europe for Applied Sciences, Berlin

Certifications

AWS Cloud Practitioner
IBM AI Engineering Professional Certificate
Applied Machine Learning in Python