Folaranmi David Adeyeri

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SKILLS

Programming Languages: Python, R, SQL, PostgreSQL, HTML5, PHP, JavaScript, CSS3, Sass, Vim, Flutter, Bash, TypeScript, GraphQL, TypeORM, ReactJS, Pandas, Dash, NumPy, Pytorch, Tensorflow, RESTful APIs

Developer Tools: Excel, Amazon Web Services (AWS), Tableau, GitHub, Postman, Google Cloud Platform (GCP), Docker, Kubernetes, Git, NPM, PowerBI

Analytical Techniques: A/B Testing, Predictive Modeling, Statistical Analysis, Time Series Analysis

Soft Skills: Strong Communication, Team Collaboration, Problem Solving, Time Management

Certifications: AWS Machine Learning Foundations, AWS Cloud Web Application Builder

RELEVANT PROFESSIONAL EXPERIENCE

Data Engineer | IT Support September 2024 – Present

Premier Engineering Consultants | Kansas City, MO

- Developed engaging, interactive dashboards in **Tableau** and **Power BI**, empowering managers with actionable insights for data-informed decision-making through visually impactful representations of KPIs..
- Implemented **A/B testing** methodologies to evaluate the effectiveness of marketing strategies, leading to a 15% increase in conversion rates.
- Executed system cleanup and updates, enhancing performance, security, and operational efficiency across the company.

Data Science Fellow January 2024 – May 2024

World Bank Group | Washington D.C

- Analyzed and transformed 300GB+ of climate data into time series to uncover key trends in climate change across countries using **Pandas** and **Numpy** via **Python**.
- Cleaned and normalized over 50,000 data entries, applying techniques such as outlier detection and feature scaling, resulting in a model performance increase of 25%.
- Leveraged **AWS S3** to securely store and manage data for cost-effective storage with high durability
- Enhanced productivity and efficiency of project within a team of 4 by enforcing **Git** for seamless collaboration and efficient **version control**

Software Engineer March 2020 – July 2022

Midwestern Interactive | Joplin, MO

- Developed backend infrastructure with **NestJS** and **NodeJS** for a community app, enabling content sharing and engagement in private and public groups, boosting user interaction.
- Led consolidation of multiple microservices, achieving a 20% reduction in response times and a 15% decrease in latency, resulting in enhanced user experience and improved backend efficiency.
- Designed over 100 **RESTful API** and **GraphQL Schemas** for multiple applications, enhancing data handling and ensuring robust performance to meet diverse user needs across various projects.
- Managed and optimized the **PostgreSQL** database for company applications, ensuring seamless data storage, retrieval, and performance.
- Utilized **Docker** to containerize the local development environment, improving consistency across environments.
- Implemented **automated unit and end-to-end testing** as well as **CI/CD pipelines**, increasing code quality and reducing deployment errors by 30%, and streamlining workflows to boost the team's productivity.

Web Developer June 2018 – October 2019

Missouri Southern State University | Joplin, MO

- Developed and maintained the library's web presence with **HTML5**, **CSS**, and **JavaScript**, enhancing resource access for students, faculty, and staff with a 20% increase in user engagement.
- Applied responsive web design principles, ensuring optimal user experiences across devices and increasing overall library resource usage.

EDUCATION

The George Washington University (Graduated - May 2024)
Master of Science (M.S.) in Data Science (CGPA: 3.83/4.00)
Awards and Honors: Global Leaders Fellowship, New Venture Competition

Missouri Southern State University (Graduated - December 2019)
Bachelor of Science (BSc) in Computer Science (CGPA: 3.903/4.00)
Awards and Honors: Summa Cum Laude, Outstanding Graduate Award

RELEVANT PROJECTS

Aviation Accident Analysis:

- Developed a real-time sentiment analysis tool aimed to enhance aviation safety through data analysis and predictive modeling, contributing to the ongoing improvement of security measures in the aviation industry.
- Utilized **Python** and **Dash** to create interactive visualizations that effectively communicated data insights and trends related to aviation accidents.
- Conducted predictive analysis using **Principal Component Analysis (PCA)** to identify significant factors contributing to accidents and evaluated model performance through **ROC (Receiver Operating Characteristic)** analysis.

Cloud Computing Car Prediction Project:

- Developed a predictive model for car classifications and trends, utilizing **AWS SageMaker** for scalable machine learning workflows.
- Implemented deep learning algorithms using **TensorFlow** and **PyTorch** to analyze automotive data and optimize prediction accuracy.
- Applied feature engineering techniques to refine model inputs, improving the predictions related to car specifications.