AKSHAY REDDY GONE

+1(443) 794-3868 ◇ Baltimore, MD
akshayrg09@gmail.com ◇ Linkedin ◇ Portfolio ◇ Github

OBJECTIVE

Innovative and results-oriented Python Developer with 3 years of professional and academic experience in designing and deploying scalable, high-performance applications and modernizing legacy systems. Expertise in Python, Flask, Django, SQL, and cloud technologies (AWS, Azure). Adept at developing RESTful APIs, optimizing database interactions, and building robust data pipelines to solve complex business challenges. Committed to delivering exceptional solutions through a blend of technical expertise, problem-solving abilities, and a passion for innovation.

EDUCATION

University Of Maryland Baltimore County Jan 2023 - December 2024
Master of Professional Studies in Data Science

Geethanjali College of Engineering and Technology July 2017 - July 2021
Bachelor of Technology (BE), Electrical and Electronics

SKILLS

Programming and Automation	Python, PySpark, SQL, Django, API Integration, Flask
Data Engineering	ETL Workflows, Data Pipelines, PostgreSQL Database Optimization
Data Analysis and Visulaization	Power BI, Excel, Pandas, Numpy
Machine Learning	Scikit-learn, TensorFLow, Pytorch
Cloud Platfomrs	Azure, AWS
Version Control	Git, GitHub
Specializations	RESTful APIs, Application Modernization, Async Programming, Docker

EXPERIENCE

Python Developer Jan 2024 - Present
Devfi — Client: Fidelity Investments *Remote, USA*

- Developed Python-based automation tools to process stock plan transactions, ensuring accuracy and reducing manual effort by 40%. Designed and implemented scalable workflows using Python and PostgreSQ.
- Built and deployed RESTful APIs using Flask, enabling seamless data exchange between Fidelity's internal systems and external stakeholders for real-time updates on stock plans.
- Designed robust data pipelines to ingest, transform, and load large volumes of financial data. Utilized SQL for database interactions and Power BI for generating actionable insights through real-time dashboards.
- Migrated critical components of the Stock Plan platform to AWS, using Docker for containerized deployments to ensure reliability and scalability.
- Implemented comprehensive error handling, logging mechanisms, and unit/integration tests to maintain system stability and adherence to compliance standards.

Software Engineer August 2021 - December 2022
Cognizant Technology Solutions — Client: NBCUniversal *Hyderabad, India*

- Collaborated with cross-functional teams to enhance Peacock's OTT platform by modernizing backend systems using Python and Flask, improving system scalability and reliability.
- Designed and optimized data pipelines to handle high volumes of user data and streaming logs, reducing processing time by 30%.
- Developed secure RESTful APIs to facilitate seamless integration with third-party services, enabling efficient content delivery.

- Improved query performance on PostgreSQL databases to ensure faster content retrieval, enhancing user experience.

Software Engineer Intern March 2021 - July 2021
Cognizant Technology Solutions *Hyderabad, India*

- Automated manual data workflows for content metadata processing using Python, reducing operational workload by 40%.
- Assisted in developing front-end components for the internal content management system using HTML and CSS, improving usability for content curators.
- Built interactive dashboards in Power BI to monitor real-time platform performance and user behavior.
- Migrated legacy Excel-based systems into modern Python-based tools for better maintainability and efficiency.

PROJECTS

Predicting Air Quality and Pollution Levels
Machine Learning, Data Engineering, Time Series Forecasting

- Designed and implemented scalable data pipelines to collect, preprocess, and analyze historical data and meteorological factors for air quality prediction.
- Applied time series forecasting techniques to build predictive models and utilized Python and SQL for real-time decision-making.

Weather Image Recognition System
Deep Learning, Computer Vision, Data Engineering

- Designed and implemented scalable data pipelines to collect, preprocess, and analyze historical data and meteorological factors for air quality prediction.
- Applied time series forecasting techniques to build predictive models and utilized Python and SQL for real-time decision-making.

Fuel Consumption Prediction Using Regression Analysis
Deep Learning, Computer Vision, Data Engineering

- Engineered multiple regression models to predict vehicle fuel consumption (mpg) based on vehicle features and external factors.
- Utilized SQL for efficient data manipulation and applied advanced feature engineering for model optimization.

AI-Driven NLP Chatbot for Skin Disease Diagnosis and Medication Recommendations
Deep Learning, Natural Language Processing, Machine Learning

- Engineered a TensorFlow-based Convolutional Neural Network (CNN) model for skin disease classification, achieving 79.54% accuracy.
- Integrated DialoGPT to provide personalized medication recommendations, improving diagnostic speed by 40% and enhancing patient engagement by 30%.

CERTIFICATIONS

- Python for Everybody (Linkdein Learning)
- NVIDIA AI and Data Science Certifications
- SQL for Data Analysis (LinkedIn Learning)
- Microsoft Azure Fundamentals (AZ-900)
- Power BI Essential Training (LinkedIn Learning)