Shailendra Saurav

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Profile Summary

Data Engineer with experience in backend development, data engineering, and cloud automation. Skilled in Python, Django, Microsoft Fabric, AWS Redshift, and Terraform. Strong in building ETL pipelines, API development, and deploying scalable cloud infrastructure on AWS and Azure.

Education

2018 – 2022

Bachelor of Engineering(B.E)
Visvesvaraya Technological University (VTU)
Computer Science and Engineering

Professional Experience

12/2024 – present

Junior Software Engineer
Zensar Technologies

- Migrated and optimized MS Fabric procedures into AWS Redshift stored procedures for an internal company project, improving query efficiency and reducing processing time.
- Designed and implemented a data engineering project on Blinkit dataset (from Kaggle) by storing raw data in Azure Blob Storage and GitHub, and performing transformations following the Medallion Architecture (Bronze, Silver, Gold layers) in Microsoft Fabric.
- Deployed and managed Microsoft Fabric infrastructure components including Resource Groups, Firewalls, Gateways, Key Vaults, and other Azure resources for a client project.
- Automated infrastructure provisioning and deployment using Terraform CLI, ensuring consistency, scalability, and reduced manual effort.

08/2024 – 11/2024

Python Developer Intern
Cuebo.ai

- Streamlined RESTful API development in Django to deliver new features and improve user interaction.
- Automated AWS workflows using Step Functions and EventBridge to reduce manual intervention using boto3 module.
- Optimized model performance through advanced prompt engineering techniques (few-shot and zero-shot).
- Developed features to categorize call data and map them with Django models for better data analysis.

- Analyzed system performance and provided insights to refine prompt behaviors.
- Collaborated in agile sprints, ensuring timely delivery of tasks.

02/2024 – 04/2024   **Backend Developer Intern**
ethan.ai
- Built robust APIs using Python and Django to enable seamless integration across multiple systems.
- Developed and tested web applications using Streamlit to enhance user experience.
- Performed API testing using Postman to identify and resolve defects before release.
- Implemented unit tests to improve code quality and reduce production issues.
- Maintained Git repositories for version control and efficient team collaboration.

10/2022 – 03/2023   **Intern**
Wiley Edge
- Collaborated in team projects, developing a Django-based application as part of a structured SDLC.
- Trained in Python, SQL, and Linux, gaining expertise in debugging and optimizing software.

Skills

- Programming Languages: Python, C, C++

- Databases: SQL, MySQL, PostgreSQL

- Frameworks: Flask, Django, Streamlit and terraform

- Tools: VS Code, Git, GitHub, MS Office, MS Excel, Google Sheets, PowerBI, Dbeaver

- Version Control Systems: Git, GitHub

- Cloud Platforms: Microsoft Fabric, Microsoft Azure

Projects

Stock Market Dashboard ⧉
- Constructed an interactive tool that supports the analysis of 5 years of historical stock data and integrates with news sentiment analysis, providing insights for over 200+ stocks.
- Key Technologies: Python, Streamlit, Pandas, Numpy, yFinance, Plotly.

News aggregator ⧉
- Developed a dynamic news platform, consolidating data from multiple APIs to deliver up-to-date information.
- Key Technologies: Python, BeautifulSoup, Requests, API Integration.

Certificates

- Programming Foundations with JavaScript, HTML and CSS ⬈
- Goldman Sachs Software Engineering Virtual Experience Program
- Programming for Everybody (Getting Started with Python) ⬈