

Ashish Kumar

AI ENGINEER

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About Me

Results-oriented Python developer with 2+ years of experience in designing, developing and maintaining software applications. Proficient in leveraging Python's capabilities to deliver high-quality, efficient and scalable solutions. Adept at collaborating with cross-functional teams to achieve project goals and meet deadlines. Experienced with full software development cycle, architecting scalable platforms, object-oriented programming, and agile methodologies. Responsible for the project monitored on JIRA. Hands on experience with git. Excellent debugging, problem-solving and test-driven development(TDD) practices. Performed code reviews and implemented best pythonic practices. Excellent written and oral and communication skills.

Work Experience

Zluri, Bangalore

AI ENGINEER

July, 2022 - Present

- Over 2 years of experience in AI/ML development with a strong focus on **NLP** and **large language models (LLMs)**.
- Deployed AI/ML models into **AWS production environments** using **Sagemaker and Lambda**, optimizing container orchestration to reduce inference costs by **25%** while maintaining 99.9% availability.
- Demonstrated excellent communication and collaboration skills within cross-functional teams.
- Debugged complex systems vulnerabilities by performing meticulous code reviews and root-cause analysis, ensuring **99.9% system uptime** and zero security breaches over a 12-month period.
- Developed and deployed scalable machine learning pipelines using **Python and Sckit-learn**, automating data preprocessing and feature engineering to reduce model training time by **30%**.
- Proficiently harnessed the power of the pandas library to extract, clean and manipulate Sales data. This process involved several crucial steps to ensure the accuracy and reliability of the information we worked with.
- Developed and consistently manage Python-based software **Python-based software** Django and React designed specifically for compression tasks within the swap's domain. This entails crafting efficient algorithm and processes to optimize data while adhering to industry standards.
- Additionally, the role involves the ongoing maintenance, debugging and enhancement of the software to align with the dynamic requirements of the swaps market.
- Developed **Python scripts** that identify potential compression opportunities for cross-currency and inflation trades. Aiding the bank in reducing the notional value or risk exposure of financial transactions, typically derivatives or other complex instruments, by combining or netting offsetting positions.
- Contributed to the development of incremental features within the **React framework** for the compression's platform. My role involved breaking down larger functionalities into smaller, manageable components that could be implemented iteratively. By doing so, I ensured a smooth integration of new capabilities into the existing system.
- Ideated & implemented a development workflow for the organization using feature environments, automated testing etc. for multiple services and background jobs resulting in higher engineering productivity and faster project delivery.

Skills

Programming Languages	Python 3.12
Data Analysis and Visualization	Pandas, NumPy, PowerBI, Matplotlib, Seaborn
Machine Learning Modeling	Tensorflow
Web Development	Angular17, HTML, SCSS, Javascript
Databases	MySQL
Cloud	AWS
Tools	Git, Jira, Agile

Education

A.M.C. Engineering College, Bangalore

MASTER OF COMPUTER APPLICATION

Karnataka, India

- Class : First Class