

Amit Kumar

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SUMMARY

Experienced Software Developer with expertise in software development and API creation. Proficient in Python (Flask, Django, Pandas, Numpy), AWS, and MySQL. Proven ability to improve software performance, data organization, and automation of internal tools. Seeking challenging opportunities to drive software innovation and develop efficient solutions.

EDUCATION

Scaler Academy

Specialized in Software Development & Problem Solving

GLA University

Bachelor of Technology (B.Tech), Computer Science

EXPERIENCE

Mcube Financial LLC - Software Developer

09/2022 - present

- Developed an commercial real estate tool, enhancing analysis accuracy by 30%.
- Collaborated with the backend team to systematically categorize and consolidate source files, significantly improving data organization efficiency. Organized files into a logical directory structure.
- Created and maintained scalable APIs that automated tools for internal applications.
- Utilized Pandas to efficiently clean, manipulate, and analyze large datasets, reducing data preprocessing time by 35% and improving data quality and reporting accuracy.
- Tech Stack: Python(Pandas, Numpy), Django, Flask, JavaScript, MySQL, AWS and Git.

Qurinum Solutions - Software Developer Intern

06/2022 – 09/2022

- Contributed to frontend and backend for 5+ web applications, enhancing both performance and user experience.
- Designed responsive landing pages using HTML, CSS, and JavaScript, increasing user engagement by 20%.
- Debugged and resolved issues in HTML, CSS and JavaScript, enhancing site functionality.
- Produced visually appealing, accessible, and responsive web interfaces using modern web technology.
- Tech Stack: HTML, CSS, JavaScript, React, Git

PERSONAL PROJECTS

Financial Fraud Detection System (Machine Learning):

- Crafted a sophisticated Financial Fraud Detection System utilizing Python and Scikit-learn, integrating MySQL for efficient data storage and Flask for robust API development.
- Optimized project outcomes by achieving an increase in fraud detection accuracy and reducing processingtime through effective implementation.
- Conducted A/B testing to optimize fraud detection algorithms, enhancing accuracy.

House Rental Management (Web Application):

- A web-based House Rental Management application with features for property listing, tenant management,and payment tracking using HTML, CSS, JavaScript, Flask, MySQL, and Git for version control.
- Added features for maintenance request tracking and resolution, improving tenant satisfaction. Also introduced an admin dashboard for landlords to manage properties and tenants efficiently.
- Created a CI/CD pipeline with GitHub Actions to automate deployment to production on code changes

TECHNICAL SKILLS

Languages: Python and Java

Framework: Flask, Django and REST API

Library: Pandas, Numpy, Openpyxl and XLWings.

Web Technologies: HTML5, CSS3 and JavaScript

Database: MySQL, SQLite

Other: Git, AWS, Docker, Redis, Object-oriented programming "OOP" concepts, Data structures and algorithms.

ACHIEVEMENTS

- Designed and implemented comprehensive automated testing procedures, reducing bug discovery time and significantly enhancing overall code quality.
- Actively and consistently engage in coding challenges on platforms such as LeetCode and Scaler to advance my proficiency in algorithms and data structures.