Mohammad Abukahfa

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Professional Summary

Experienced Python Developer with a strong background in software development, design, and debugging, supported by a Bachelor's in Computer Applications. Proficient in leveraging Python's adaptability for building innovative solutions across diverse domains. Committed to continuous learning and applying modern technologies to deliver innovative solutions.

TECHNICAL SKILLS:

- **Programming Languages:** Python, SQL, C
- **Frameworks:** Django, FastAPI, NinjaAPI, Flask
- **Libraries:** Pandas, NumPy, SQLAlchemy, Requests, Pytest
- **Databases:** MySQL, PostgreSQL
- **Tools & Technologies:** Microservices, Git, VS Code, Azure, REST APIs, JSON
- **Other Skills:** API Development, Debugging, Troubleshooting, Agile Methodologies

Experience

IN2IT TECHNOLOGY   Noida, India
Python Developer   Sep 2022 – Jan 2024

- Worked as an API developer using the Django framework and FastAPI, implementing various approaches for API validation and response masking.
- Collaborated with cross-functional teams to design and deploy a web application leveraging Python and Django.
- Integrated third-party APIs and services to extend application functionality and meet project requirements.
- Developed unit tests and performed debugging to ensure application stability and maintain code quality.
- Designed and executed database schemas to support scalable data storage and efficient querying for web applications.
- Designed and optimized real-time monitoring capabilities for enterprise-wide user tracking.
- Ensured platform independence in Prowatch, making it adaptable across multiple operating systems.

ED Grow   Noida, India
Data Analyst Intern   Mar 2022 – Aug 2022

- Conducted comprehensive data cleaning and preprocessing, ensuring datasets were error-free, consistent, and ready for analysis.
- Applied statistical methods to identify patterns, trends, and anomalies in large datasets, enabling actionable insights for decision-making.
- Automated routine data preparation tasks, improving efficiency and reducing processing time using Python-based solutions.
- Managed large datasets efficiently using Python libraries such as Pandas and NumPy, and created detailed visualizations with Matplotlib and Seaborn to present insights clearly.

- Collaborated with cross-functional teams to understand business objectives and tailor data analysis to meet specific needs.

Projects

Iprovision - Network Automation Tool

- Designed and implemented a web-based application for automating network device configurations using Python, Django, and FastAPI.
- Automated network device provisioning, configuration, and policy management using SSH, NETCONF, and SNMP, cutting configuration time by 40% and significantly reducing human errors.
- Developed and maintained backend APIs using Django and FastAPI to support seamless communication between automation tools and network devices.
- Collaborated with network engineers to ensure smooth integration of automation workflows with existing network setups.
- Conducted user training sessions and created documentation to assist teams in effectively utilizing the automation tool.

Prowatch – User Activity Monitoring System

- Developed a cross-platform user activity monitoring system to track active hours, search history, software usage, and device location.
- Implemented data encryption and decryption mechanisms to ensure secure data handling.
- Designed and optimized the system for real-time monitoring in organizational environments.
- Enabled centralized tracking of user activities across multiple devices within an enterprise.
- Ensured seamless platform independence, making it adaptable across different operating systems.

Education

- **Bachelor's of Computer Application (BCA)**   **2018-2021**

  CCS University Meerut
- **Intermediate (12th)**   **2017-2018**

  Janta inter college muzaffarnagar
- **Secondary School Certification (10th)**   **2015-2016**

  Galaxy Convent School Rohana

Certifications/Courses

- Complete Python 6 months Training Certification from Q Spider Noida
- Web Designing and Publishing Assistant Conducted by AYES Infotech PVT LTD