Vyshnavi Kunapareddy
Software Developer (Python / ML)

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Adaptable Python developer with 2+ years of hands-on experience in software development. Well-versed in machine learning, database management, and building scalable solutions. Passionate about leveraging technical expertise to drive success within a collaborative team environment.

Experience

Python Developer | Product - ML & Backend   *Algonox Technologies | Sep 2023 - Present*

- Developed a feature which uses machine learning models integrated to perform key functionality of product - extraction, Published the developed feature as a microservice, contributing to the product's modular architecture, This feature improved the functionality performance from 50% to 75%.
- Conducted extensive data training and preparation to support model development.
- Coordinated with databases, writing Python scripts for data migration between MSSQL and PostgreSQL.
- Designed a robust, generic data migration script that efficiently transformed and migrated approximately 600 million records into PostgreSQL.
- Improved database performance by optimizing queries through a thorough analysis of database logs.
- Developed and maintained microservices and Docker-based applications, along with Lambda-based solutions to support scalable architectures.
- Demonstrated proficiency in testing Lambda functions and containerized applications using tools like PuTTY, Termius, Postman and AWS.
- Utilized Linux commands effectively, while building foundational knowledge in AWS services, Docker, and Camunda workflow management.
- Trained team members on key product features, empowering them to independently maintain and support the functionality.
- Ensured clear and comprehensive documentation of code for better understanding, ease of maintenance, and seamless collaboration across teams.

Python Developer | Intern   *Algonox Technologies | Feb 2023 - Sep 2023*

- Designed and coded APIs to implement key features for the product.
- Successfully developed and integrated a text classification feature that identifies the type of page within a PDF, streamlining the PDF processing workflow.
- Utilized Python libraries such as Pandas, NumPy, and Scikit-learn for data manipulation and analysis.
- Involved in comprehensive data preparation, gathering, and cleaning to support the page detection feature.

Skills

- **Languages & Libraries:**
  - Python, Pandas, Numpy, Matplotlib, Scikit-learn, Transformers, Joblib, OpenCV, NLP
- **Databases:**
  - PostgreSQL, MSSQL, MySQL, Stored Procedures, DB Triggers, Query Optimization, Data Migration.
- **Backend & Deployment:**
  - Microservices, Docker, REST APIs, Flask, FastAPI, AWS Lambda
- **Dev Tools :**
  - Git, GitHub, GitLab, Linux CMD, Postman, Termius, PuTTY
- **Familiar with**
  - Django, Camunda BPMN, Logstash, Opensearch
- Also experienced in Mentorship, Debugging, Code Documentation, and Solution Design

Education

B.Tech - CSE - 8.5 CGPA

2019-2023

- **International Institute of Information Technology (IIIT) - Nuzvid**
  - Content Writer for the Campus Magazine, contributing to the creation and curation of engaging articles.
  - Active member of the CSE Club, involved in organizing and volunteering for various campus events and student activities.

PUC - 8.2 CGPA

2017-2019

- **International Institute of Information Technology (IIIT) - Nuzvid**
  - Completed Basha Praveena by Dakshin Bharat Hindi Prachar Sabha

SSC - 10.0 GPA

2017

- **GDETMC High School**
  - Active participant of various school activities

Additional Information

- **Languages:** English, Hindi, Telugu.
- **Certifications:** AWS Cloud Foundations.