Abu Syed Sujon

Associate Software Engineer | Python Backend Developer

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Professional Summary

Associate Software Engineer with strong programming skills in Python and solid knowledge of data structures and algorithms. Hands-on experience in developing scalable backend solutions using Django, REST APIs, and PostgreSQL. Passionate about solving complex problems, learning new technologies, and contributing to high-quality software development projects.

Technical Skills

- **Languages:** Python, C (basic), SQL, Bash
- **Problem-Solving:** Data Structures & Algorithms (DSA)
- **Frameworks & APIs:** FastAPI, Django, Flask, RESTful API.
- **Databases:** PostgreSQL, MySQL, SQLite.
- **Machine Learning:** Scikit-learn, XGBoost, TensorFlow, Keras.
- **Cloud & Tools:** Git, AWS (basic), VS Code, Jupyter
- **Methodologies:** Agile Development, Test-Driven Development (TDD), CI/CD (basic)

Key Projects

Real-Time Weather Forecasting API | *Django REST Framework, XGBoost, PostgreSQL*

- Built a weather forecasting API achieving **92% accuracy** using XGBoost.
- Migrated the backend from FastAPI to Django REST Framework for better scalability.
- Integrated PostgreSQL and optimized database queries, reducing API response time by **30%**.
- GitHub Repo

Expense Tracker API | *Django REST Framework, PostgreSQL*

- Developed a RESTful API to manage user expenses, categories, and reports.
- Implemented CRUD operations, JWT authentication, and API testing.
- GitHub Repo

Animal Image Classification System | *TensorFlow, Django, Keras*

- Implemented a **ResNet152V2-based deep learning model** with **96% accuracy**.
- Built a Django-based web app for real-time image classification.
- Integrated TensorFlow backend with Django views and APIs.
- GitHub Repo

House Price Prediction API | *Flask, Scikit-learn (Legacy Project)*

- Designed RESTful API endpoints for predicting house prices.
- Built regression-based ML model using Scikit-learn and Pandas.
- GitHub Repo

Education

B.Sc. in Computer Science & Engineering	Bangladesh University	*CGPA: 3.89/4*
HSC	Chuadanga Govt. College	*GPA: 4.17/5*
SSC	Chuadanga Academy	*GPA: 4.94/5*

Certifications

- Supervised Machine Learning: Regression & Classification – Coursera
- Advanced Learning Algorithms – Coursera
- Programming for Everybody (Python) – Coursera

Additional Information

- **Languages:** English (Fluent), Bengali (Native)
- **Availability:** Immediate
- **Willing to Relocate:** Yes