Vardan Sharma

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SKILLS & INTERESTS

- **Programming & Development**: Python, C++, FastAPI, Flask, RESTful APIs
- **Generative AI**: Prompt Engineering, Large Language Models (LLMs), Multimodal Systems (Text, Voice)
- **Data Science**: Data Mining, Data Cleansing, Data Transformation, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch, NLTK
- **Cloud & Data Engineering**: Azure, CI/CD (GitHub Actions), Database Administration, Data Analytics Infrastructure
- **Tools & Technologies**: BeautifulSoup, Jupyter, VS Code, JavaScript, MS Excel, PowerPoint
- **Soft Skills**: Client Communication, Cross-functional Collaboration, Problem Solving, Process Improvement
- **Interests**: Open Source Contribution, Reading

EDUCATION

GLA University , Mathura   Sep 2021 - June 2024

Bachelor of Computer Applications

WORK EXPERIENCE

Python/Django Developer   Aug 2024 - Present

Tata Consultancy Services Noida, Uttar Pradesh

Backend Development

- Architect and maintain backend services using Django and PostgreSQL, building RESTful APIs that ensure efficient data flow and seamless integration between modules.
- Develop Python automation scripts to streamline AI/ML workflows, handle data processing tasks, and reduce repetitive backend operations.
- Optimize backend performance, database queries, and API design to improve scalability, reliability, and maintainability of the application.

Automation Test Engineering

- Design and execute automated test cases with Tricentis Tosca, increasing regression-test coverage to 85 % and reducing manual testing effort.
- Generate detailed test reports, track defects, and perform regression checks to ensure high-quality, reliable software while minimizing manual testing effort.

Incubator Web Application

- Engineered the backend of a web platform using Django and PostgreSQL, enabling secure and efficient data management.
- Built RESTful APIs and configured token-based authentication with role-based access for Students, Teachers, and Administrators.
- Integrated document upload and browsing functionality, allowing users to interact with files directly from their systems.
- Developed Python scripts to automate routine backend operations, improving system speed and operational efficiency by 60%.

Certification and Achievement

- Microsoft Certified: Azure Database Administrator Associate
- Certified in Databricks Generative AI, showcasing skills in developing and optimizing AI-driven solutions.
- Co-authored an IEEE conference paper titled "Verification of Stored Data in Shared Cloud Resource Pool," contributing to research in cloud data integrity and security.