REPAKA SHEKAR
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CAREER OBJECTIVE

- Python Backend Developer with hands-on experience in Django and REST APIs. Built multiple academic and personal projects involving authentication, databases, and backend logic. Strong problem-solving mindset, quick learner, and passionate about backend engineering and real-world applications.

EDUCATION

Aurora's Post Graduate College — Hyderabad, Telangana, India
Master of Computer Application; CGPA: 7.29 — November 2022 – December 2024

YPR Degree College — Siddipet, Telangana, India
Bachelor of Science - Computer Science (MPCS); CGPA: 8.49 — June 2018 – August 2021

SKILLS

Backend & Programming:	Python, Django, Django REST Framework, REST API Development, CRUD Operations
Databases:	PostgreSQL, MySQL,SQl Queries
Tools & Technologies :	PyCharm, VS Code, Git, Postman, Excel, MySQL Workbench
Additional Skills :	HTML, CSS, JavaScript (Basics), SDLC & Agile Fundamentals, Debugging & Troubleshooting
Soft Skills:	Problem-solving & analytical thinking, Quick learning & adaptability, Effective communication, Time management & task prioritization

WORK EXPERIENCE

Project Assistant — Elancer IT Solutions — March 2025 - November 2025

- Optimized data processing and validation workflows, improving operational efficiency by 20% and enhancing reliability for application-level systems.
- Implemented semi-automated solutions for repetitive data and reporting tasks, resulting in a 15% increase in overall productivity.
- Prepared 15+ structured technical reports and documentation to communicate insights, system behavior, and recommended improvements to stakeholders.
- Analyzed geospatial and mapping datasets to identify 10+ critical patterns, contributing to improved decision-making and application functionality.

Backend Developer Intern — Datapoint Info Solutions — December 2023 - February 2024

- Improved backend workflows using Python and Django, reducing API response time and enhancing overall system efficiency by 20%.
- Designed optimized SQL queries and structured databases to improve data retrieval speed, accuracy, and application reliability.
- Developed and maintained backend modules and APIs, contributing to scalable application performance and clear technical documentation.
- Collaborated with frontend, ML, and testing teams to understand requirements, integrate components, and ensure smooth end-to-end system functionality.

PROJECTS

Fast Lane Detection Based on Attention Mechanism — May 2024 - September 2024

- Built a machine learning–based lane detection application using attention mechanisms to enhance accuracy in real-world scenarios.
- Processed and optimized large image datasets, improving model performance by 18% through preprocessing and feature tuning.
- Reduced detection errors by 15% using iterative experimentation, validation, and debugging techniques.
- Supported model evaluation and optimization workflows, gaining hands-on experience in scalable application development and performance analysis.

Smart Online Voting System — December 23- February 2024

- Developed a Python-based online voting application with secure authentication and validation features, achieving 98% vote accuracy.
- Minimized duplicate and unauthorized voting attempts by 25% through rule-based verification and session control logic.
- Improved backend efficiency by 20% via optimized business logic and structured database queries.
- Enhanced system reliability by 15% through functional testing, edge-case handling, and iterative debugging.

CERTIFICATES

Programming in Python (Udemy) — March 2023

- Mastered fundamental Python syntax, proficiently utilizing control flow, loops, functions, and data structures.
- Acquired expertise in procedural programming paradigms and associated logical concepts, enhancing capabilities.