Chetan Suryawanshi

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Final year Computer Science and Engineering student. **Top 6** in the **university** and **batch topper** with a strong focus on software development, **Data science**, Proven ability to solve complex **coding problems with 500+ solved** on platforms like LeetCode and Hacker Rank (**5-star rating in Python**). Highly proficient in backend development.

EDUCATION

Shreeyash College Of Engineering And Tech. Chh. Sambhjinager, Maharashtra

Bachelor of Technology (B. Tech) in Computer Science | CGPA: 8.8 **June 2021 - August 2025**

SKILLS SUMMARY

- **Programming Languages**: Python, C/C++, SQL, HTML, CSS.
- **Computer fundamentals:** DBMS, Operating system (OS), computer networking (CN), machine learning (ML)
- **Programming fundamentals:** OOP, Data Structures and Algorithms (DSA)
- **Frameworks/Libraries**: Django, Flask, Streamlit, pandas, scikit-learn, OpenCV, matplotlib, TensorFlow
- **Data science**: Deep learning, computer vision, NLP, Lang chain,GENAI.
- **Tools**: Power BI, Git, Git Hub, Postman. **API**: Rest, fast
- **Database**: MySQL,Relational Databases, SQL Server.
- **Soft Skills**: Problem-Solving, Team Collaboration, Critical Thinking, leadership, Scalability, Innovation.

WORK EXPERIENCE

Back-end Developer intern | SYCET **January 2024 - April 2024**

Project: Backend development with python and MySQL for Techfest website.

- In this I worked in the team of 3 people I worked on backend as well as the database.
- Developed a high-performance backend using python, Django, optimizing response times by 40% for 5,000+ active users. Developed a full functional backend with the Realtime database
- Implemented a MySQL database, ensuring smooth storage and retrieval of event entries.
- Using agile methodologies and SDLC for software development and software engineering practices with proper unit, integration and performance testing. I have responsibilities to make a proper backend so I used these practices.
- Conducted thorough unit and integration testing, improving the codebase's reliability and maintainability by 20%.

Python Internship and Training | Cloud that **August 2023 –September 2023**

Project: personal AI assistant

- Built an AI-driven virtual assistant using Python and Flask, automating tasks with 30% greater efficiency.
- Integrated APIs to enhance AI functionality, resulting in a 25% improvement in user task completion rates.
- Designed and developed a dashboard with voice recognition, streamlining user interactions by 20%.

PROJECTS

Multi-API Integrated Generative AI and Image Recognition System | Gen AI **Sep 2024 – Jan 2025**

- Developing a unified platform offering solutions to daily inquiries through multiple generative AI models, providing users with diverse responses from various generative AI systems in a single interface.
- Integrated a custom-trained image recognition model using Qwen-2VL, enabling users to upload images and receive accurate context-based answers to image-related questions.
- Engineered an advanced system combining image recognition and generative AI capabilities with Qwen-2VL, optimized for responsive and accurate output. Built a Flask-based application with real-time processing, reducing latency by 35% for API calls.
- Enhanced system scalability and performance by integrating multiple APIs, achieving a 40% increase in response

Movie Recommendation System | ML **Jan2025-Feb 2025**

- Developed a movie recommendation system leveraging user-user similarity, movie-movie similarity, global averages, and matrix factorization to enhance recommendation accuracy.
- Implemented Collaborative Filtering techniques to generate personalized movie recommendations.
- Predicted user ratings for movies based on historical behavior, measuring accuracy with RMSE and MAPE error metrics.
- Explored matrix factorization to improve recommendation quality, with scope for further enhancements using ML/DL techniques.

End-to-End Encrypted Chat Application | python **Feb 2025 – Present**

- Developing a real-time chat application with end-to-end encryption, ensuring secure message transmission using AES (Fernet) and RSA key exchange.
- Engineering a multi-client architecture with socket programming and threading to enable seamless communication for concurrent users. Implementing self-destructing messages to minimize data retention risks and an anonymous mode for enhanced user privacy.
- Optimizing encryption and networking, targeting a 10% improvement in message delivery speed while maintaining data integrity and security.

CERTIFICATES : Problem solving | hacker rank

Python internship and training | cloudthat

machine learning | Udemy

Google analytics certification | google