Ruchitha Yeravelli

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📍 Vemulawada, Telangana, India

OBJECTIVE

Motivated and detail-oriented Engineering graduate with strong skills in Python, ANSI SQL, and Cloud fundamentals. Able to understand and analyze business or technical requirements effectively, and capable of developing clean, efficient, and well-structured code following best practices. Comfortable working in Agile environments with a focus on timely and high-quality deliveries. Committed to continuous learning, improving technical knowledge, and adapting to new technologies. A dedicated team player with strong communication, collaboration, and problem-solving abilities, focused on achieving organizational goals through consistent effort and responsibility.

TECHNICAL AND SOFT SKILLS

- **Programming Languages:** Python (Primary)
- **Core Computer Science:** Data Structures(basics), Object-Oriented Programming (OOP)
- **Databases:** ANSI SQL, Joins, Subqueries, Group Functions, DDL/DML, Views, Indexing, Relational Database Concept
- **Cloud Technologies:** AWS / Azure (Basics)
- **Web Technologies:** HTML5, CSS3, JavaScript
- **Version Control:** Git, GitHub
- **API & Backend Basics:** REST API (Basics), Data Handling
- **Data Analysis:** NumPy, Pandas
- **Soft Skills:** Problem-Solving, Analytical Thinking, Communication, Team Collaboration, Adaptability, Responsibility

EXPERIENCE

- **10000 Coders [🌐]**   *July 2025 – Jan 2026*
  Python Developer Intern   Hyderabad, India
  - Built and optimized **Python-based applications**, integrating **machine learning models** that improved system accuracy by **20%**.
  - Applied **data processing and analysis** using **Pandas** and **NumPy** to support backend logic and decision-making.
  - Developed **visual reporting modules** with **Matplotlib** and **Numpy,Pandas** for real-time insights.
  - Managed **MySQL databases** and implemented efficient **queries** for data storage and retrieval in Python applications.
  - Gained hands-on experience with **networking basics** by working on **client-server communication** and integrating Python scripts with APIs.

PROJECTS

- **Employee Management System (Python + ANSI SQL)**
  *Technologies: [***Python, MySQL, SQL Queries, Git***]*
  - Developed a system to manage employee data with full CRUD operations.
  - Designed relational database schema using ANSI SQL with constraints and joins.
  - Implemented Python modules for add/update/delete/search operations.
  - Connected Python to MySQL using mysql-connector and applied exception handling.
  - Created test scenarios for validating data accuracy and performance.
  - Followed SDLC documentation and Agile task breakdown.

- **Personalized Course Recommendation System | Machine Learning, NLP (Jan 2025)**
  Technologies: **[Python, Machine Learning, NLP, Pandas, NumPy, TF-IDF, matplotlib]**
  - Built a recommendation system using KNN, Cosine Similarity, and NLP to predict student course preferences with 88% accuracy.
  - Processed academic data and student feedback using TF-IDF, tokenization, and sentiment analysis for personalized course suggestions.
  - Engineered features from grades, attendance, and feedback text to improve recommendation quality.
  - Performed model tuning, evaluation, and visualization using pandas, NumPy, matplotlib.

EDUCATION

CMR College of Engineering and Technology	*Aug 2025*
B.Tech	Kompally, India
Alphores Junior College	*June 2021*
MPC (Mathematics, Physics, Chemistry)	Karimnagar , India
Siddhartha High School	*Apr 2019*
State Board of Secondary Education	Vemulawada , India