Konda Mahesh

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Objective

Aspiring **Python** and **AI developer** with hands-on experience in **machine learning**, **deep learning**, and **database-driven application development**. Passionate about building scalable **AI solutions** and contributing to **data-driven, real-world projects**.

Education

TKR College of Engineering and Technology   Hyderabad, India
B.Tech in Computer Science (AI & ML) ,CGPA: 8.15   *2021 - 2025*

Experience

SQL Developer Intern   Apr 2025 - May 2025
Maximum Cloud Solutions   *Hyderabad*

- Designed, optimized, and executed complex **SQL queries** to support **business intelligence** and reporting needs
- Developed normalized **relational database schemas**, reducing data redundancy and improving maintainability
- Created **stored procedures**, **views**, and **triggers** to automate recurring data processing tasks
- Performed **data validation**, **cleansing**, and **transformation** as part of **ETL** workflows
- Analyzed **query execution plans** and applied **indexing strategies** to improve database performance
- Collaborated with developers and analysts to debug **data issues** and deliver accurate insights
- Tools Used: **SQL Server**, **SSMS**, **Excel**, **Git**

Projects

Number Plate Recognition System
Python, YOLOv8, CNN, OpenCV, OCR, Flask

- Designed and implemented an end-to-end **computer vision pipeline** for vehicle and number plate detection
- Utilized **YOLOv8** for real-time object detection and **EasyOCR** for accurate license plate text extraction
- Applied **image preprocessing** techniques including resizing, noise removal, thresholding, and rotation correction
- Built a **Flask-based web application** supporting image, video, and live camera inputs
- Stored recognition results in a **database** and displayed outputs through a user-friendly **dashboard**

AI-Based Career Guidance Assistant
Python, NLP, BERT, Flask

- Developed an **AI-driven career recommendation system** based on user interests, skills, and preferences
- Trained and fine-tuned a **BERT-based NLP model** for accurate career prediction
- Designed **RESTful APIs** using **Flask** to serve predictions and chatbot responses
- Visualized **interest areas** and recommendation results to improve user engagement
- Focused on **model accuracy**, **scalability**, and real-world applicability

Technical Skills

Languages: Python
Web: HTML, CSS, Flask
Databases: MySQL, SQL Server
Machine Learning: Supervised Learning, Unsupervised Learning, NLP, Computer Vision
Libraries: Pandas, NumPy, Matplotlib, Scikit-learn, OpenCV
Tools: VS Code, Jupyter Notebook, SSMS, Git
Soft Skills: Critical Thinking, Problem Solving, Team Collaboration