Ashish Kumar Patel

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Technical Skills

Languages : Python, Java, SQL
Frameworks : TensorFlow, Flask, FastApi
Technologies and Tools: Numpy, Pandas, Matplotlib, Seaborn, scikit-learn, OpenCV, LLM, Transformer, Data analysis, Git, GitHub

Certifications

GenAi Oracle Cloud Infrastructure Generative AI Professional(Oracle)
IBM AI Engineer Professional Certification(Coursera) 🔗
Google Cloud Foundations Program((Google) 🔗
Postman API Fundamental Student Expert (Postman) 🔗

Education

Vellore Institute of Technology, Bhopal	**September 2021 - Present**
Integrated MTECH Computer Science (Computational and Data Science), 8.83/10	*Bhopal, MadhyaPradesh*
School of excellence no. 1 , Sidhi	**July 2020 - May 2021**
MPBSE 12th STD, 98%	*Sidhi, MadhyaPradesh*
School of excellence no. 1 , Sidhi	**july 2018 - May 2019**
MPBSE 10th STD, 98%	*Sidhi, MadhyaPradesh*

Projects

Behavioral Disorder Analysis | *python, supervised algorithm, LLM, Flask and Pickle*   **June 2024 – September 2024**
- Implemented a ML model for **early detection of behavioral disorders** in children aged 0-14, collaborating with **5 healthcare professionals** to ensure accuracy and relevance.
- Integrated conversational chatbot and an intuitive interface with custom-built APIs for **real-time result prediction**, enhancing **user engagement by 30%** and accelerating processing speed by 20%.
- Built backend services managing **over 25+ user records** and **automating communication** with a 95% success rate.

FarmAdvisor AI | *Python, Classification algorithm,Resnet, flask, steamlit*   **January 2024 – March 2024**
- **Created** an advanced **ML and DL**-powered recommender system **(20% performance boost)** guiding users on optimal crops, fertilizers, and diagnosing crop diseases.
- Implemented a user friendly support platform, integrating **API-driven user interactions**, **enhancing system efficiency**, and introducing a community-driven feature.

Internship

NullClass EDTech Private Limited	**Feb 2025 – April 2025**
Data Science Intern	*Remote*

- Developed an Age and Gender detection model using OpenCV, achieving **88% accuracy**. Led the complete data science lifecycle, Utilized a publicly available dataset (e.g., UTKFace), Data preprocessing, feature engineering, and model training. Performed thorough performance evaluation using metrics such as accuracy, precision, and recall to ensure robust model performance.

TheSmartBridge	**Apr 2024– Jun 2024**
Business Analytics Intern	*Remote*

- Conducted data visualization and analysis on airline datasets to derive actionable business insights.
- Collaborated with business teams to implement data-driven strategies and decision-making processes.

Extra-Curricular/Achievement

- Earned the **STARS Scholarship** at VIT Bhopal University by **ranking #1** in the district in the 12th board exams.
- Secured 34th Rank in GSSoC'24 Leaderboard as Open source Contributor, Merged 81 PRs, Scored 2335.
- LeetCode: Solved **650+ problems**, achieving a rating of **1550 (Top 22%)**; CodeForces:rating of 870; GeeksforGeeks: Rated among the **Top 2.89%** coders with a **rating of 1750**.
- Participated in the Microsoft Learn Student Ambassadors Challenge on Azure Fundamental.

Additional

- **Languages** – Hindi(Native), English.