SUFIA

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EDUCATION

Geethanjali College of Engineering and Technology   *Cheeryal, Hyd*
Bachelor of Technology in Computer Science and Engineering   *Expected: 2024*
Reqelford International School   *Rampally, Hyd*
11th - 12th (Central Board of Secondary Education)   *2018-2020*
Cal Public School   *Kapra, Hyd*
KG – 10th (Central Board of Secondary Education)   *2008-2018*

PROJECTS

Car and Pedestrian Tracking:
- Developed a car and pedestrian tracking system using python and machine learning.
- This system could be used to improve road safety with accuracy of 80% by identifying potential safety hazards and reduced collision risk by 60%. This project highlighted my proficiency in utilizing Computer Vision, OpenCV libraries and Python programming.

Sign Language Detection:
- Developed an ASL alphabet detection system that recognizes American Sign Language alphabets in real-time using computer vision techniques and trained the model on a large dataset, achieving 95% accuracy.
- Utilized Python, Computer Vision, Mediapipe, OpenCV, and Scikit Learn for implementation.

AI SAAS Platform
- Proficient in developing full-stack web applications using Next.js for backend development and React for frontend development, with experience in utilizing development tools such as Visual Studio Code and databases like Prisma.
- Familiar with integrating AI frameworks like OpenAI, and Replicate AI, alongside payment gateways such as Stripe, to enhance application functionality and user experience

Uber Data Analysis:
- Conducted in-depth analysis of Uber data, utilizing machine learning techniques to recognize patterns, trends, and user behaviors, enhancing decision-making processes using Pandas, scikit-learn.
- Here are some of the machine learning algorithms that are used: Linear Regression, Random Forest, Clustering Algorithms, Natural Language Processing (NLP), Gradient Boosting Regressor, Decision Tree, Gradient Boosting Regressor.

SKILLS

- **Programming**: Python (pandas, matplotlib, seaborn, NumPy), SQL (MySQL, PostgreSQL), Java, C
- **Data Visualization:** Microsoft Power BI, Tableau, Google Data Studio
- **Software:** Excel (VLOOKUP, pivot tables, etc.), Jupyter Notebook, Microsoft Office 365
- **Core Competencies:** Data Cleaning, Data Analysis, Data Visualization, Statistics, Computer Programming, Marketing Analytics, Financial Analysis, Presenting to different stakeholders
- **Additional Skill sets:** Operating Systems, Software Engineering, Computer Networks, Data Structure, Machine Learning, Iot, Artificial Intelligence, Database Management System, Big Data Analytics, OOPS (Java)

EXPERIENCE

Proternship: Artificial Intelligence and Machine Learning Training by Cantilever Labs.
Duration: 8 weeks

I participated in an industry-based training internship on Artificial Intelligence and Machine Learning conducted by Cantilever Labs. This intensive 8-week program provided me with valuable hands-on experience and comprehensive knowledge in the field of AI and ML.
- Acquired proficiency in data analysis and visualization techniques using tools like pandas, NumPy, and Matplotlib. This allowed me to effectively interpret and present findings from complex datasets.

CERTIFICATIONS

- Microsoft Certified Power Platform Fundamentals (PL-900) – *August 2023*
- Accenture North America Data Analytics and Visualization Job Simulation on Forage - *June 2024*
- Skill academy Bootcamp on Python – *September 2023*

EXTRA-CURRICULAR ACTIVITIES

- Held several leadership positions in student organizations throughout my school and currently a Class Representative and a member of Student Council.
- An Executive Committee Member of Creative Design Club (A Graphic Design club in college)
- Attended a certified Python Bootcamp and a three-day Design thinking Workshop.