SowmyaChatharaju

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Education

JNTUH University College of Engineering, Jagtial	2020-24
Bachelor of Technology in Information Technology	7.7
Krishnaveni Junior College, Warangal – Intermediate	2018-20
MPC Stream	9.8
Krishnaveni Talent School, Warangal – SSC	2017-18
Telangana Board of Secondary Education	9.5

Projects

HealthCare Chatbot using Natural Language Processing.   *Developed an NLP-driven healthcare chatbot to provide timely medical information and support during emergencies, enhancing patient engagement and accessibility.*

– Devised a system that processes user queries through tokenization, stop word removal, and feature extraction for accurate response generation. Aplied diverse advanced machine learning models to train on this data for comprehensive analysis.

– Implemented machine learning algorithms to improve the chatbot's understanding of medical terminology and patient needs.

– Aimed to address challenges in healthcare communication and accessibility, offering instant responses and emotional support.

– Technologies Used: Python, Natural Language Processing (NLP).

Experience (Internship)

•Advanced Data Analysis Intern   *November-October 2024*
Innomatics Research Labs

                                                                                                                                Online

– Gained hands-on experience in Python programming for efficient data manipulation and analysis.

– Developed data-driven strategies to tackle complex real-world challenges.

– Conducted exploratory data analysis (EDA) to extract meaningful insights from raw data.

– Created actionable reports to effectively communicate findings to stakeholders.

Tech Skills

❖ Languages: Python, C, Java, data analytics, Python Libraries — Numpy, Pandas, Matplotlib.
❖ Databases: SQL
❖ Technologies: Machine learning
❖ Relevant Coursework: Data Structures, Object Oriented Programming, Software Engineering, software development life cycle.
❖ Soft Skills: Logical Thinking, Communication Skills, Continuous Learner.

Certifications

▪ **Machine Learning Certification from PrepInsta**: Attained specialized certification demonstrating expertise in machine learning   algorithms and model development.
▪ **SQL Certification from PrepInsta**: Received certification by showcasing proficiency in SQL database management, querying, and data manipulation techniques.
▪ **Python Certification from PrepInsta**: Completed certification that emphasizes skills in Python programming for data analysis
▪ **Data Science Internship** from Innomatics Research Labs, [November, 2024] – [October, 2024]: Developed predictive models and conducted data analysis to drive insights and enhance decision-making.

Declaration

▪ I hereby declare that all the details mentioned above are in accordance with the truth and fact as per my knowledge and I hold the responsibility for the correctness of the above-mentioned particulars.