Divija Joshi

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Career Objective:

As a Computer Science Engineer with specialization in Artificial Intelligence, I aim to contribute to cutting-edge projects while staying updated with emerging technologies in a collaborative team environment. I am eager to leverage my knowledge in programming, machine learning, data analysis and problem solving to deliver innovative solutions to contribute to the organization's growth as well as drive advancements in the field.

Academic Qualifications:

- Pursuing B. Tech in Artificial Intelligence from G. H. Raisoni College of Engineering 2021-present | 9.4 CGPA
- Completed HSC from St. Xavier's High School, MIDC Hingna, Nagpur | 2021 | 86.6%
- Completed SSC from School of Scholars, Atrey Layout, Nagpur | 2019 | 91.6%

Technical Skills:

- Programming Languages: Python, C, C++
- Frontend: HTML, CSS, JavaScript
- Backend & Database: PostgreSQL
- Misc: GIT, Tableau
- Others: Machine Learning, Deep Learning, Natural Language Processing

Experience:

- I worked as an intern with InternPe .
- I have done multiple classification and predictive modelling projects using Python.

Projects:

- **Predictive Maintenance for Manufacturing Equipment**: A machine learning model for predictive maintenance, enabling real-time equipment monitoring, failure prediction, and optimized maintenance planning.
  Team Size: 02
  Process: We have used ML algorithms like Random Forest Classifier and Gradient Boosting Regressor for failure prediction and tool wear estimation. We also used interactive visualizations for real-time monitoring and predictive maintenance planning. Streamlit was used for UI.
- **Machine Learning-Based Risk Prediction of Asthma:** A machine learning model designed to predict asthma risk by analyzing health data and providing actionable insights for effective management and prevention.
  Team Size: 04
  Process: Developed a predictive platform using Random Forest Classifier trained on historical asthma data, The platform enables users to input health data, get risk percentge with detailed environmental factors, We have used ML, Streamlit, Python.
- **GenAI:** A model which converts text description into high quality images.
  Team Size: 04
  Process: We have used NLP and BIGGAN architecture.
- **DocBot**: A ML model which guides you through the steps necessary for creating documents in India.
  Team Size: 04
  Process: We have used AI, ML and NLP in this project.

Soft Skills:
- Creativity
- Adaptability
- Effective communication
- Leadership
- Problem Solving

Extra-curricular Activities:
- Volunteered for AI Odyssey technical event at college to lead the score team and manage updating live score cards with ongoing events in a given time frame successfully.
- Participated in SIH hackathon 2023.
- Participated in several group dances in college and stood third in interbranch theme dance competition 2023

Place: Nagpur

Date: 10/11/2024 Divija Joshi