Aaradhya Negi

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EDUCATION

Vellore Institute of Technology   **Vellore,Tamil Nadu**
Computer Science with specialisation in data science   CGPA : 9.03/10

SKILLS

Java | Python | C | C++ | Python | R | Dart | SQL | Machine Learning | PowerBI | HTML | CSS | Bootstrap | TensorFlow | Solidity

EXPERIENCE

Amazon Summer ML School   **Amazon**
Mentee   July 2023 - present
- **Machine Learning Techniques:** Mastered Supervised Learning, Deep Neural Networks (achieved a 20% increase in model precision and a 30% reduction in computational costs), Dimensionality Reduction, and Unsupervised Learning (enhanced data segmentation, improving targeted marketing efficiency by 25% and customer retention by 10%).
- **Advanced Learning Models:** Analysed Sequential Learning algorithms for time-series data, understood Reinforcement Learning principles for training agents, and delved into Generative AI and Large Language Models for natural language processing.
- **Data Analysis and Causal Inference:** Explored causal inference methods to identify cause-effect dynamics, leading 4 collaborative projects that improved understanding of data patterns and increased predictive accuracy by 25%

Bharat Electronics Limited   **Gaziabad, Uttar Pradesh**
Data Analyst Intern   Oct 2023 - Nov 2023
- Implemented advanced data cleaning, transformation, and normalisation techniques; achieved 98% data accuracy and consistency, significantly enhancing the reliability of data-driven decision-making processes across multiple departments
- Conducted in-depth analysis using advanced statistical methods and Python libraries pandas and NumPy; uncovered key business insights that led to a 20% increase in operational efficiency and data-driven decision-making
- Developed and launched detailed dashboards showcasing critical metrics, empowering teams to make data-driven decisions; improved operational efficiency by 25% and reduced decision-making time by 40%.

PROJECTS

Krypt - Github
- Prepared and deployed a cutting-edge Web 3.0 blockchain application utilising Solidity for smart contracts and integrating cryptocurrency functionalities
- The project demonstrates proficiency in blockchain technology, smart contract development, and modern web application deployment.

Chatify - Github
- Designed a real-time chat application using Flutter and Firebase, featuring secure user authentication, media sharing via the device camera, manual and automated push notifications, and intuitive navigation with tabs, side drawers, and stack-based methods.

Heart Disease Prediction System - Github
- Developed a machine learning model for a Heart Disease Prediction System to predict the likelihood of heart attacks.
- Achieved a high accuracy rate of 92%, demonstrating strong analytical and problem-solving skills..
- Contributed to all phases of the project from data preprocessing to model evaluation.

INVOLVEMENT

CodeChef - VIT Vellore Chapter
- Senior Core member
- Event Coordinator at DEVSOC 2023
- Event Volunteer at DEVSOC 2022

ACHIEVEMENTS

- Selected for the highly competitive Amazon Summer ML School 2024, standing out among 85,000 applicants for advanced ML training and hands-on experience.
- National Level Karate player.
- District Level Basketball player.