

NAVEEN KUMAR REDDY VANGA

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EDUCATION

Bachelor of Computer Science , Vellore Institute of Technology, Vellore	Expected May 2025
CGPA: 8.76	
Board of Intermediate Education , Sri Chaitanya Co-Ed College	2019 - 2021
Percentage: 92	
Board of Secondary Education , Sri Chaitanya School	2018 - 2019
CGPA: 9.8	

WORK EXPERIENCE

Web Developer Intern	Sept 2023 - Oct 2023
Bharat Heavy Electricals Limited (BHEL), Visakhapatnam	
<ul style="list-style-type: none">Created and maintained 12 internal web pages, enhancing user experience and accessibility, leading to a 25% increase in user engagement.Engineered a new design framework with the design team, optimizing site load times by 40%, contributing to a 20% increase in user retention and a 15% rise in customer satisfaction ratings.Assisted in troubleshooting and debugging web applications, resolving 95% of reported issues within 24 hours..	

PERSONAL PROJECTS

Personal Portfolio Website (Link)
<ul style="list-style-type: none">Engineered interactive design with dynamic JavaScript-based background effects, resulting in a 35% increase in average user session duration.Created a unique portfolio theme, 'Don't Judge a Book by Its Cover,' featuring 5 distinct sections, enhancing visitor satisfaction.Constructed a responsive skills grid with hover-triggered animations, increasing visitor interaction by 40%.
Credit Card Fraud Detection using Machine Learning and Neural Networks
<ul style="list-style-type: none">Enhanced detection accuracy by over 3% through advanced techniques, including PCA transformation and anomaly detection, achieving a Logistic Regression cross-validation score of 94.05%.Balanced dataset to a 50/50 fraud-to-non-fraud ratio, significantly improving model performance and pattern recognition capabilities.Implemented various optimization techniques to enhance model robustness and reliability, leading to improved fraud detection and reduced false positives.
Movie Recommendation System (Link)
<ul style="list-style-type: none">Engineered a recommendation system using machine learning techniques, improving movie suggestion accuracy to 85%.Utilized collaborative filtering and content-based methods, enhancing recommendation relevance and increasing user engagement by 20%.Achieved a 40% improvement in system processing speed through optimization and efficient data handling.

SKILLS

Programming Languages	Java, SQL, C, C++, Python
Web Development	HTML, CSS, JavaScript, Node.js
Tools	Git, Visual Studio Code
Frameworks & Libraries	Numpy, Pandas, PyTorch, Keras, Scikit-Learn, Matplotlib

CERTIFICATIONS

AWS Cloud Practitioner (Certificate)	Aug 2023 - Jan 2024
Certification provided by Amazon Web Services (AWS).	

ACHIEVEMENTS

- Senior Core Member: Managed and participated in the BIF Club, coordinating 10 technical events and workshops, reaching over 500 participants.
- Experience: Acquired extensive knowledge from numerous hackathons, including being a runner-up at the AVISHKAAR Hackathon 2024, competing against 50 teams.