

# NAVEEN KUMAR REDDY VANGA

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## EDUCATION

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

## WORK EXPERIENCE

<b>Web Developer Intern</b>	Sept 2023 - Oct 2023
Bharat Heavy Electricals Limited (BHEL), Visakhapatnam	
<ul style="list-style-type: none"><li>Created and maintained 12 internal web pages, enhancing user experience and accessibility, leading to a 25% increase in user engagement.</li><li>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.</li><li>Assisted in troubleshooting and debugging web applications, resolving 95% of reported issues within 24 hours..</li></ul>	

## PERSONAL PROJECTS

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

## SKILLS

<b>Programming Languages</b>	Java, SQL, C, C++, Python
<b>Web Development</b>	HTML, CSS, JavaScript
<b>Tools</b>	Git, Visual Studio Code
<b>Frameworks &amp; Libraries</b>	Numpy, Pandas, PyTorch, Keras, Scikit-Learn, Matplotlib

## CERTIFICATIONS

<b>AWS Cloud Practitioner</b> ( <a href="#">Certificate</a> )	Aug 2023 - Jan 2024
Certification provided by Amazon Web Services (AWS).	

## ACHIEVEMENTS

<ul style="list-style-type: none"><li>Senior Core Member: Managed and participated in the BIF Club, coordinating 10 technical events and workshops, reaching over 500 participants.</li></ul>
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