

# Vamsi Sangana

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## Objective

Motivated computer science graduate seeking an entry-level position in software development or data science. Eager to leverage skills in programming, machine learning, and data analysis to contribute effectively to a dynamic tech team.

## Education

### Master of Science in Computer Science

University of South Dakota

### Bachelor of Technology in Computer Science Engineering

Bharath Institute of Higher Education and Research

**Relevant Coursework:** Data Structures, Algorithms, Database Management Systems, Web Development, Machine Learning, Software Engineering, Operating Systems, Network Security, Statistics.

## Experience

### Internship at Infosys

Systems Engineer Intern

- Developed and implemented software solutions to improve system performance and efficiency.
- Collaborated with cross-functional teams on application design, coding, and testing phases of software development.
- Assisted in troubleshooting and debugging to maintain system stability and performance.

## Projects

### Fraud Detection in Credit Card using Unsupervised Machine Learning

- Developed a machine learning model to detect fraudulent transactions by analyzing patterns and anomalies in credit card data.
- Utilized Python and machine learning libraries to enhance the model's accuracy.

### Web-Based Data Visualization Tool

- Created an interactive data visualization tool using JavaScript and D3.js to represent complex datasets.
- Implemented REST APIs for dynamic data retrieval, enhancing user experience and engagement.

## Technical Skills

- **Languages:** Java, Python, JavaScript, C++
- **Frameworks:** Spring Boot, React, Node.js
- **Databases:** MySQL, MongoDB
- **Tools:** Docker, Git, Jenkins, Postman
- **Skills:** Web Development, API Development, Data Analysis, Machine Learning, Statistical Analysis, Data Visualization

## Certifications

- Certified Software Development Professional (CSDP) - IEEE
- Microsoft Certified: Azure Fundamentals
- AWS Certified Developer - Associate