Pasunuri Varun

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Education

SR University, Bachelor of Technology in Computer Science   Nov 2022 – Apr 2026
- GPA: 7.39/10.0
- **Coursework:** Computer Architecture, Machine Learning, Data Structures, Design and Analysis of Algorithms, Object Oriented Programming, Operating System, Network Security, Data Mining, C, Python, Java

Experience

AICTE Internship   (Certificate)   April 2024 – June 2024
- **Machine Learning Model Development:** Developed and deployed machine learning models using Google's AIML platform, focusing on Natural Language Processing, with a dataset of 50,000+ samples.
- **AI-ML Virtual Internship:** Completed an AI-ML virtual internship, gaining hands-on experience with real-world applications of machine learning and AI technologies.
- **Performance Optimization:** Optimized model performance by 42% by implementing a cache mechanism, reducing latency, and improving overall efficiency.
- **Collaboration and Deployment:** Collaborated with cross-functional teams to deploy models in production, ensuring seamless integration with existing systems and resulting in a 25% increase in user engagement.

Technical Skills

Languages: C, Python

Tools & Frameworks: Visual Studio **Web** , Thonny

Web Programming: HTML, CSS, JavaScript.

DataBases: SQL, MYSQL, PLSQL.

Domain Knowledge: Machine Learning

Projects

Titanic Survival Predictor | Python , Machine Learning   (GitHub)   April-2024
- Developed a Titanic survival predictor using various machine learning algorithms in a period of **6 weeks.**
- The machine learning algorithms includes Logistic Regression, Random Forest, and SVM, and achieved high accuracy of 82% in predicting passenger survival.
- The Popularity-based Titanic survival predictor using various machine learning algorithms to users from 1950 – 2016 based on their popularity among all users

Mental Health Support Platform | HTML, CSS , Javascript   (GitHub)   Jan 2023
- Mental Health Support Platform Development: Developed a comprehensive Mental Health Support Platform featuring resources, awareness content, and a survey form to connect users with counselors, enhancing access to mental health support for 5,000+ users.
- Developed a user-centric Blood Banking System, leveraging advanced technology to streamline blood donation and emergency blood requests.
- Simplified user sign-up, health information input.

Nike website |HTML, CSS, JS   (GitHub)   Jan 2022
- Front-end Development: Contributed to the development of Nike's website using HTML, CSS, and JavaScript, resulting in a 30% increase in page load speed and a 25% increase in user engagement.
- Responsive Design: Designed and implemented responsive layouts for Nike's website, ensuring a seamless user experience across 95% of devices and browsers, with a focus on mobile-first design.
- nteractive Elements: Created interactive elements such as carousels, accordions, and hover effects using

JavaScript, resulting in a 40% increase in user interaction and a 20% increase in conversion rates.

Achievements

- Successfully led a team to develop a Titanic Survival Predictor system using Python.
- Led a winning team in the Inter College Hackathon conducted by SR University, leveraging Block Chain Technology to develop a secure and transparent supply chain solution; secured first place out of 20+ participating teams

Certifications

Microsoft Certified: Azure AI Fundamentals.	(Verify)	March 2024
Cisco Certified: Introduction to networks	(Verify)	March 2024