ANDE SAIRAM

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Summary

A highly motivated and passionate Computer Science graduate with a strong foundation in software development, problem-solving, and technical skills. Seeking to leverage my expertise in software engineering, web development, and data structures to contribute effectively in a challenging and dynamic work environment.

Education

Prasad V. Potluri Siddhartha Institute of Technology   Dec 2021 – May 2025
*Bachelor of Technology in Computer Science and Engineering | **CGPA: 8.06***   *Vijayawada*

Narayana Junior College   Jun 2019 – May 2021
*Intermediate | MPC | **Percentage: 94.5***   *Vijayawada*

Narayana High School   Jun 2018 – Apr 2019
*Secondary Education | **GPA: 9.8***   *Vijayawada*

Internships

Cybersecurity Virtual Internship   May 2023 – July 2023
supported by Palo Alto Networks, approved by AICTE   *Remote*

- Completed a comprehensive 2-month virtual internship program focused on cybersecurity through AICTE Eduskills Foundation in collaboration with Palo Alto Networks.
- Studied areas like Network Security, and Cyber Threat Management.

Projects

ShopHub | *NodeJs, React, Express, MongoDB (MERN stack)*

- Implemented user authentication and authorization functionalities, including secure password hashing to enhance security and role-based access control for different user privileges.
- Designed and integrated comprehensive product filtering and search features, allowing users to easily find and select products based on categories and specific criteria.
- Optimized backend API for efficient data management and performance, ensuring fast response times and scalable architecture to handle increased user traffic.

Insurance cost prediction | *ML Python Libraries like NumPy, Pandas, Sklearn, Google Colab*

- Created a predictive model to estimate medical insurance costs by analyzing various factors including age, gender, BMI, number of children, city, etc. Utilized data preprocessing techniques to prepare the dataset for accurate predictions.
- Employed the Linear Regression algorithm to predict insurance costs, which provided an interpretable relationship between input features and the target variable. Implemented model validation and performance metrics to ensure reliability and accuracy of the predictions.

Portfolio | *React ,HTML , CSS, JavaScript*

- The project leverages React component-based architecture to efficiently manage dynamic content, facilitating seamless updates and maintenance. Integrated smooth animations and transitions.

Skills

Technical Skills

- **Languages:** C, C++, Python, HTML, CSS, JavaScript, SQL
- **Technologies/Frameworks:** React, Node.js, MongoDB

Coding Profiles: LeetCode, HackerRank

Soft Skills: Effective Communication, Team Collaboration, Problem Solving, Time Management

Certifications & Achievements

- NPTEL Problem Solving Through Programming in C
- Earned Smart Coder Certificate from Smart Interviews, demonstrating proficiency in advanced coding techniques and data structures essential for software development roles.
- Achieved 5-star rating in Problem Solving on HackerRank.
- Earned PCAP Programming Essentials in Python Certification from Cisco Network Academy.