

Pochimi Reddy Venkata Keyurendra Reddy

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Summary

Aspiring software developer with a foundation in programming and database management. Proficient in **C, Java, SQL, and front-end technologies** to build scalable and user-friendly applications. Experienced in **object-oriented programming (OOP)**. Passionate about continuous learning, solving complex problems, and delivering impactful solutions through technology.

Education

Sri Venkateswara College of Engineering, Tirupati, India
Bachelor of Technology in Artificial Intelligence and Machine Learning
CGPA: 9.1

Expected Graduation: 2025

Narayana Junior College, Kadapa, India
Intermediate (MPC-Mathematics, Physics, Chemistry)
Percentage: 97.4%

June 2019–May 2021

Keshava Reddy English Medium High School, Kadapa, India
Secondary School Certificate (SSC)
CGPA: 10

July 2018–May 2019

Project Experience

Crime Prediction and Analysis Using Machine Learning

Jan 2025–Present

- Developed a **machine learning model** that analyzed **50,000+ crime records**, improving prediction accuracy by **25%**.
- Built a **Flask-based web platform** with **HTML, CSS, and JavaScript**, reducing query time by **30%**.
- Achieved **90%+ classification accuracy** using **KNN, Decision Trees, and Random Forest** with advanced **data preprocessing**.
- Integrated **geospatial mapping** to visualize crime patterns, enhancing law enforcement response by **40%**.

WordCount Application in React

Jan 2025–Present

- Developed a **React-based word counter** capable of efficiently processing **10,000+ words per session** with **real-time updates**, improving user experience and text management.
- Designed a **responsive UI**, ensuring **100% cross-device compatibility**.
- Integrated a **dark mode toggle feature**, allowing users to switch between light and dark themes, reducing eye strain by **60%** and enhancing usability in low-light conditions.

Portfolio & Landing Pages Development

March 2024

- Created **3+ responsive websites** using **HTML, CSS, and JavaScript**, ensuring cross-device compatibility.
- Improved **SEO rankings** by **25%** through structured metadata and performance optimization.
- Reduced load time by **35%** using **CSS optimizations and image compression**.
- Implemented **WCAG 2.1 accessibility standards**, improving usability for **visually impaired users by 40%** and enhancing overall user experience.

Skills

Programming Languages: C, Java, SQL

Web Development: HTML, CSS, Bootstrap, React.js

Version Control: Git, GitHub

Tools & Platforms: VS Code, Excel, PowerPoint

Soft Skills: Problem-Solving, Debugging, Leadership, Teamwork, Adaptability

Achievements

- Secured a **Silver Badge** in **NPTEL Java Programming**, ranking in the **top 5%** with a score of **80%**.
- Earned an **Elite Badge** in **Cloud Computing** from NPTEL, achieving a **66%** score.

Certifications

- Introduction to Web Development with HTML, CSS, JavaScript** – Coursera
- SQL and Relational Databases** – IBM
- DevOps Basics For Everyone** – EDX
- Introduction to Cloud Computing** – Coursera