Vamsi Bala Kiran Polisetty

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Career Objectives

Final-year Computer Science student at Presidency University, driven by curiosity and innovation. I specialize in building smart, immersive, and scalable solutions across full-stack development, VR/AR experiences, data analytics, and embedded systemsalways aiming to turn ideas into impactful tech.

Experience

Web Development Intern, Prodigy InfoTech (Remote) *Aug 2024 – Sep 2024*

- Engineered responsive web interfaces using HTML, CSS, and JavaScript, improving user accessibility across devices by 40%.
- Designed and deployed reusable UI components, reducing frontend development time by 25%.

Featured Projects

Cloud-Based Temperature Monitoring System

- Designed and deployed an IoT system using Arduino and ESP8266 to stream real-time environmental data to ThingSpeak, achieving 98% uptime over 30-day test period.
- Enabled accurate monitoring of temperature and humidity, reducing manual data logging effort by 100%.

Adaptive VR Learning for Differently-Abled Students

- Built a Unity-based VR learning prototype with accessibility-first UI for students with cognitive challenges.
- Achieved 30% higher task comprehension via gaze-based controls and minimal UI design.
- Optimized for low-end devices using lightweight assets and occlusion culling.

LogoCraftix AI Logo Generator

- Developed an AI-powered web platform to generate logos via Stable Diffusion and DeepAI, supporting 90% API fallback uptime.
- Boosted user interaction with real-time preview and download, reaching 200+ logos generated in initial user test.

Global Terrorism Dataset Analysis

- Processed 180,000+ records from terrorism databases using Pandas and Plotly, uncovering regional patterns and attack frequencies.
- Built ML pipelines with Decision Trees and K-Means clustering, achieving 82% accuracy in pattern classification.

Mobile Learning App Prototype

- Designed and built a quiz-enabled mobile learning app in Java/XML, tested by 30+ users with 95% positive usability feedback.
- Implemented local storage for offline progress tracking, eliminating the need for server connectivity during active learning.

Certifications

- Front End Development Simplilearn
- Programming in Java NPTEL
- Web Design and Development Skill India Digital Hub
- Data Structures and Algorithms CodeChef

Education

Presidency University, Bangalore *Jul 2026 (Expected)*
- B.Tech in Computer Science and Engineering

Tirumala Educational Institutions, Bhimavaram *Aug 2020 – June 2022*
- Intermediate (Class XII MPC)

Sri KGR EM High School, Korukollu *Jul 2018 – May 2020*
- SSC (Class X)

Technical Skills

- **Languages:** HTML, CSS, JavaScript, C, Java
- **Frameworks:** React.js, Node.js
- **Databases:** MongoDB, MySQL
- **Libraries:** pandas, numpy, matplotlib, seaborn
- **Developer Tools:** Git, GitHub, VS Code
- **Others:** Unity, Arduino, Firebase

Soft Skills

- Communication
- Problem-solving
- Teamwork
- Adaptability
- Time management
- Creativity

Languages

English (Fluent), **Telugu** (Native), **Kannada** (Conversational), **Hindi** (Conversational)

Interests

- Web Development
- Embedded Systems
- Virtual/Augmented Reality