Pasam Venkat Reddy

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Education

VIT Bhopal University	**Jun 2022 – may 2026**
Bachelor of Science in Computer Science — CGPA: 8.25	*Bhopal, Madhya Pradesh*

Narayana English Medium High School	**Vizag, AP**
Higher Secondary School (Class 12) — Percentage: 75%	*Jun 2020 – Mar 2022*

Kennedy High School	**Vijayawada, AP**
High School (Class 10) — Percentage: 78%	*Jun 2019 – Mar 2020*

Technical Skills

Languages: Python, Java, C, JavaScript.
Developer Tools: VS Code, Android Studio.
Technologies/Frameworks: HTML, CSS, Git, SQL, AWS cloud.

Projects

Electron Web Browser | *Electron.js, React.js, Express.js, TailwindCSS*   **Jul 2025**

- Designed and developed a **cross-platform custom web browser** using Electron.js and React.js with a modern, responsive UI.
- Implemented **multi-tab browsing, search suggestions, bookmarks, history, and user profiles** with secure session management.
- Integrated **SQLite database** for persistent storage of history, bookmarks, and sessions.
- Added **custom widgets** (weather, news) via API integration and enabled **real-time profile switching** with isolated cookies.
- Optimized performance by **lazy-loading heavy components** to improve startup speed and navigation.

Koro: AI Tutoring Chrome Extension | *ReactJS, CRACO, Node.js, Express, Google Gemini API*   **Sep 2025**

- Developed **Koro**, an AI-powered Chrome extension using **ReactJS** with **CRACO** and **Node.js + Express** for backend APIs.
- Integrated **Google Gemini API** to deliver interactive **Socratic-style tutoring** with context-aware guiding questions.
- Engineered a **dynamic learning workflow** where Koro adapts questions based on user input, promoting critical thinking.
- Implemented **personalized AI-driven responses**, ensuring an engaging and interactive user experience.

Tourist Website (ToVisit) | *HTML, CSS, JavaScript*   **Oct 2023**

- Built a **state-wise tourism portal** covering all Indian states and union territories with detailed information on major tourist destinations.
- Designed a **structured and user-friendly layout** to navigate important places within each state.
- Collected and organized **authentic data** on cultural, historical, and natural attractions.
- Integrated **official tourism website links** for credibility and further exploration.
- Developed the portal using **HTML, CSS, and structured navigation elements**, ensuring consistency and scalability.

Achievements/ Certificate

- SmartBridge MERN stack
- IBM Gen AI.
- 75.5 in NPTEL Cloud Computing.

Hobbies

- Reading comics, Cricket, Watching TV