

Pranavi Ramayampeta

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EDUCATION

Gurunanak Institution Technical Campus

2022 – 2026

Bachelor of Technology in Computer Science Engineering — CGPA: 7.93/10

Hyderabad, India

Sri Gayatri Junior College

2020 – 2022

Intermediate MPC — Percentage: 86.1

Kamareddy, India

Loyola High School

2019 – 2020

Secondary School Education — CGPA: 10/10

Kamareddy, India

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML5, CSS3

Frontend: React.js, Redux, Bootstrap, Responsive Design

Backend: Node.js, Express.js, RESTful APIs, JWT Authentication, OAuth

Databases: SQLite, MySQL, MongoDB

AI/ML: Google Gemini API, OpenAI API, Prompt Engineering, NLP, Generative AI

Tools: GitHub, VS Code, Postman, Figma, Make.com, Netlify, Vercel

PROJECTS

GenBot – AI Virtual Assistant

May 2024 – Aug 2024

React.js | Python | Flask | Google Gemini API | SQLite | JWT

- Built conversational AI chatbot serving **500+ users** with **90% response accuracy** and **95% satisfaction rate**, leveraging Google Gemini Pro API with advanced prompt engineering techniques
- Engineered Flask backend with RESTful API and JWT authentication securing **1,000+ user sessions**, reducing unauthorized access by **100%**
- Optimized SQLite database achieving **30% faster retrieval** and reducing API response time from 2.5s to 1.2s, improving performance by **52%**
- Implemented token management with rate limiting, reducing API costs by **\$150/month** while maintaining 99.5% uptime across **10,000+ API calls**
- Collaborated with 3-person team using Git, conducting 20+ code reviews with 95% test coverage

Mini Games Platform

Jan 2024 – Mar 2024

React.js | JavaScript | CSS3 | Local Storage API

- Engineered gaming platform with 4 interactive games using **15+ reusable components**, increasing development efficiency by **40%**
- Implemented game logic with React hooks managing 50+ state variables, achieving 60 FPS performance
- Optimized bundle size through code splitting, reducing load time by **38%** and achieving 95/100 Lighthouse score
- Increased user engagement by **40%** with 12-minute average session duration from **200+ beta testers**

HACKATHONS & ACHIEVEMENTS

Generative AI Hackathon (Qualified for State Level)

Mar 2024

OpenAI Academy | NxtWave

Hyderabad, India

- Developed a PTL based logistics application to manage supply chain operations with a focus on load planning and dispatch optimization
- Built a Generative AI driven approach to optimize load size, aiming to minimize the number of trucks required while meeting delivery constraints
- Designed the solution around practical logistics constraints including capacity, routing, and shipment consolidation

CERTIFICATIONS

Python Programming, Node.js & Express.js, React.js Development, JavaScript ES6+, SQL & Databases, RESTful API Design, AI Automations (Make.com), Gen AI Buildathon, MCP Workshop, UI/UX Design Principles