

VENKATA MOHITH PUPPALA

Full Stack Developer

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SUMMARY

I build user-friendly desktop and web apps with Python, React.js, and full-stack tools to tackle everyday challenges. As team lead for the Smart India Hackathon 2024 and DRDO projects, I guided teams in creating secure, fast systems that cut processing times by 40% and improved response speeds by 30%. I love blending tech skills with leadership and a focus on great UI/UX to team up on fresh ideas and deliver real results.

EXPERIENCE

DRDO, Hyderabad, India May 2024 – June 2024

I worked as a Python Developer Intern on desktop apps using Python and PyQt to make interfaces smoother and more functional, especially for defense workflows. One key project was an XML File Viewer that sped up data analysis by 40% on big files, plus it made loading quicker and more reliable overall.

DRDO, Hyderabad, India May 2025 – June 2025

I worked on an Offline Chatbot System and led a team of three to build a secure, offline chatbot for pulling up missile development info. We used Python's Tkinter for the interface and Ollama's DeepSeek-R1-8B model for smart summaries. It ended up 90% more secure and worked fully offline.

TECHNICAL SKILLS

Languages: Python, C, Java, JavaScript, HTML, CSS

Frameworks & Libraries: React.js, Next.js, PyQt, Tkinter, Ollama (LLM)

Tools & Platforms: Git, GitHub, VS Code, PyInstaller, Vercel, Render

EDUCATION

Bachelor of Technology in Computer Science and Engineering - Grade: 7.77/10

2022 - 2026

GITAM University, Visakhapatnam, India.

PROJECTS

Offline Chatbot System :-DRDO, Hyderabad, Telangana May 2025 – June 2025

I directed a three-person team to develop a secure, offline chatbot for answering missile queries. It featured Tkinter for the UI, Ollama's DeepSeek-R1-8B for summaries, and built-in security that blocked 90% of potential risks.

Desktop Applications Using PyQt:- DRDO, Hyderabad, Telangana May 2024 – June 2024

I developed some applications by using pythons in built pyqt library to develop applications that help people navigate information easily

Emergency Distress Signal System:- Smart India Hackathon (SIH), Vizag, Andhra Pradesh March 2024

I headed up a five-person team to create a real-time alert system. We built the front-end with React.js for easy use, hitting response times under 5 seconds and improving emergency workflows by 30% thanks to better design.

LEADERSHIP & VOLUNTEERING

GitHub Community at GITAM, Visakhapatnam, India 2024 : Present I've run two hands-on seminars on Python basics and web auth using PortSwigger tools, reaching over 30 students and sparking group learning. Our auth labs boosted folks' grasp of vulnerabilities by 40%. I also keep tabs on React.js updates to craft more interactive and accessible web apps.