Mohith Pranav

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SUMMARY

Full-Stack Developer and Computer Science undergrad with hands-on experience in Generative AI, real-time systems, and strong problem-solving skills. Proficient in HTML, CSS, JavaScript, TypeScript, ReactJS, NextJS, ExpressJS, NodeJS, and Mongoose. Developed a web-based YouTube AI assistant using RAG, fine-tuned LLM, and integrated ChromaDB. Eager to contribute to Check Point Software's AI team by leveraging technical skills and innovative solutions.

EXPERIENCE

Defence Research and Development Organisation (DRDO), **Intern**
May 2025 - Jul 2025

• Developed a web-based YouTube AI assistant using RAG for context-aware, AI-driven Q&A from video transcripts, enhancing user engagement.
• Fine-tuned LLM and integrated ChromaDB for vector embeddings and semantic search, improving accuracy and reducing latency by 30%.
• Designed and implemented scalable backend services using Node.js, improving system performance and reliability.

EDUCATION

SRM Institute of Science and Technology
Bachelor of Technology • **Computer Science Engineering** • *2022 - Present*

TVIS Velammal Vidyalaya (CBSE)
Class 10 (Secondary School)

SKILLS

HTML • CSS • JavaScript • TypeScript • C++ • ReactJS • NextJS • ExpressJS • NodeJS • Mongoose

HONORS & AWARDS

1st place in Gen[AI]rt Hackathon
building a health care web application featuring AI-generated visuals and an integrated chatbot during a 3-round innovation challenge
Top 20 Finalist – HackNight'25
for developing "KiddoConnect," a web-based platform for centralized and secure child healthcare document management