

Kopalle Sai Pradyumna

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Career Objective

Final year Computer Science student with strong programming fundamentals and hands-on experience in full stack development and machine learning through academic projects and personal initiatives, seeking to begin my career as a Software Developer where I can apply my technical skills and contribute to innovative solutions.

Education

Vasavi College of Engineering, B.Tech in Artificial Intelligence and Machine Learning Aug 2023 – Jun 2026

- GPA: 7.96 / 10.0

Government Institute of Electronics, Diploma in Computer Science Aug 2020 – Jun 2023

Projects

MERN Stack Job Portal

- Built a responsive job portal with user authentication, role-based access (job seekers and recruiters), and real-time job listings and applications.
- Designed RESTful APIs for managing jobs, applications, and user profiles and Used MongoDB with Mongoose and managed frontend state using Redux.

IPL Score prediction

- Built a deep learning model to predict IPL first innings scores using the Kaggle IPL Ball-by-Ball 2008-2020 dataset.
- Used Python, Pandas, and Tensorflow to train regression models based on features like runs, wickets, overs, and venue and Improved prediction accuracy by selecting key features and evaluating performance using RMSE and cross-validation.

Full Stack Learning Management System

- Developed a full stack LMS platform using Nextjs, Supabase, Clerk and Stripe enabling secure user sign up, subscription billing and tiered access management
- Integrated a voice-powered AI tutor agent using Vapi for real-time conversational learning sessions and supporting features like session history, bookmarks, and custom tutor creation.

Skills

Languages: C, Java, Python, JavaScript, SQL

Tech Stack/tools: React.js, Node.js, Next.js, TensorFlow, Pandas, Git, Github, MongoDB

Soft Skills: Team Work, Adaptability

Certifications

NPTEL Certificate – *The Joy of Computing using Python*

Cisco Certificate – *C++ Essentials*

Hobbies

Watching Anime, Listening Music