

# ADITYA KUMAR PANDEY

Bangalore | adityaddd321@gmail.com | 7268202942 | <httphttps://portfolio-tgz9.vercel.app>

## SUMMARY

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Full Stack Developer with a strong foundation in the MERN stack. I've built AI-driven and full-stack web applications like Supacast (AI Podcast Generator) and AI Tutor, focusing on clean code, scalable architecture, and real-world problem solving. Passionate about building products that combine analytical thinking and modern technology.

## SKILLS

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<b>Languages</b>	JavaScript, Typescript
<b>Libraries/Frameworks</b>	React.js, Node.js, Express.js, Next.js, Tailwind CSS
<b>Databases</b>	MongoDB, PostgreSQL, Pinecone
<b>Tools</b>	AWS, Git, VS Code, Postman, Figma
<b>Soft Skills</b>	Problem-solving, Adaptability, Communication, Teamwork

## PROJECTS

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### Supacast – AI Podcast Generator

- Built an AI-powered podcast generation platform that converts text or blog content into podcasts using OpenAI APIs.
- Designed intuitive user interfaces and seamless workflows for podcast creation and preview.
- Implemented secure backend logic for audio generation, storage, and playback.
- Optimized performance and data flow using the MERN Stack (MongoDB, Express.js, React.js, Node.js).

### SuperLM – AI Tutor

- Developed a personalized AI tutor that lets users upload books or study materials for interactive learning.
- Enabled real-time Q&A, summarization, and self-assessment through a chat powered by Large Language Models (LLMs).
- Built a seamless user experience with Next.js, Tailwind CSS, and Supabase for data management.
- Integrated the OpenAI API to deliver intelligent responses and dynamic learning support.
- Deployed a fully functional and live version ensuring performance and scalability.

## EDUCATION

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### Bachelor of Business Administration

Lovely Professional University, Punjab