

# Varun P M

7892496605 | varunpm132109@email.com | linkedin.com/in/varun-p-m-22392035a/ | github.com/varunpm-ai-ai

## SUMMARY

---

Passionate web developer proficient in React, Next.js, and Tailwind for frontend, and Node.js, Express, and FastAPI for backend. Experienced in building full-stack applications from design to deployment, with a focus on clean code and performance.

## TECHNICAL SKILLS

---

**Programming Languages:** : Python, C++, Java, Java Script, React

**FrontEnd / BackEnd Frameworks:** : React.js, Next.js, Tailwind CSS, Node.js, Express.js, FastAPI

**Libraries & Tools:** Git, GitHub, Postman, Prisma, Mongoose, REST, Vercel, Figma

## PROJECTS

---

### AI Text-to-Shader Generator

Aug 2025 – SEP 2025

*GLSL Graphics*

*WebGL, Gemini API, Vertex and Fragment Shaders*

- Developed a system that converts text prompts into shader programs for graphics rendering.
- Tech Stack: WebGL, NextJS (for live demo interface), Node.js backend.
- Enabled rapid prototyping of visual effects for games and simulations.

### Audio fingerprinting and Detector

Sep 2025 – Oct 2025

*Audio fingerprinting*

*Fingerprinting, Dejavu, FFMPEG*

- Built a web app that identifies songs from YouTube audio by converting video → audio with ffmpeg, extracting fingerprints with Dejavu, and matching them via a FastAPI backend.
- Tech Stack: NextJS, FastAPI, Git,SQL, MySQL
- Built a scalable detection API (FastAPI) that matches incoming audio clips against the fingerprint DB and returns metadata; React frontend provides upload/URL input, live detection status, and result pages.

## EXPERIENCE

---

### Hackathon

MAR 2024 – APR 2024

*Cypher*

*Attria, Hebbal*

- Collaborated in a 24-hour team to build a minimal Chat app using Elixir and React.
- Implemented basic messaging functionality that worked end-to-end.
- Collaborated in a team to quickly prototype the application during the hackathon.

### College Mini-Project

SEP 2025 – DEC 2025

*Inflation Prediction Model*

*East West, Yelahanka*

- Developed a GRU-based RNN model to predict inflation trends for India and Bangalore using historical economic data.
- Preprocessed large datasets and implemented feature engineering to improve prediction accuracy.
- Collaborated with a functional team to deliver best solutions

## EDUCATION

---

### East West College Of Engineering

*BE. in Computer Science*

East West, Yelahanka

Aug 2023 – Aug 2027