

Parth Mital

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Education

Vellore Institute of Technology (VIT)
B.Tech in Computer Science and Engineering
CGPA: 8.66 / 10

Vellore, India
2023 – 2027

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Web Development, Computer Architecture, Theory of Computation, Discrete Mathematics, Linear Algebra, Probability and Statistics

Software Projects

AI Study Assistant — *LLM-based academic tool with OCR and topic search (In Progress)*

GitHub: github.com/parthmital/StudyApp

- Full-stack dashboard integrating OCR (EasyOCR), LLM note generation (Together AI), and topic extraction (KeyBERT).
- Currently implementing session-based history, fuzzy search, and PYQ matching.
- Upcoming: YouTube transcript scraping (yt-dlp), DOCX/PDF export.

Portfolio Website — *Personal site with Preact + Vite + JSON backend*

Live: parthmital.github.io/Portfolio **GitHub:** github.com/parthmital/Portfolio

- Modular, responsive site with JSON-driven content and clean UI.
- Deployed via GitHub Pages using optimized production build.

Spotify UI Redesign — *Recreated Spotify frontend in React*

Live: parthmital.github.io/Spotify **GitHub:** github.com/parthmital/Spotify

- Custom React SPA replicating Spotify UI with responsive navbar and dark mode toggle.

Research Projects

IPL Player Performance Forecasting — *ML-based regression project*

GitHub: github.com/parthmital/IPL_Player_Performance_Predictor

- Forecasted IPL player performance using 2008–2023 data with feature engineering (consistency, recent form).
- Trained Random Forest models in scikit-learn achieving $R^2 = 0.82$ for batting score prediction.

Experience

Web Development Intern

Hiraeth Tech, Vadodara

Jun 2025 – Jul 2025

- Created 3 WordPress sites using Elementor with custom CSS fixes for responsive layouts.
- Integrated plugin-based features like galleries, forms, and sliders.
- Optimized 40+ product images using Photoshop and Topaz AI.

Technical Skills

Languages: Python, C++, JavaScript, TypeScript, C, Java

Web & Frameworks: React.js, Next.js, Tailwind CSS, FastAPI, HTML/CSS

AI/ML Tools: scikit-learn, HuggingFace Transformers, KeyBERT, EasyOCR, OpenAI API

Tools: Git, Figma, Photoshop, Blender, VS Code, Linux