Parth Mital

Email: parth.mital.2004@gmail.com
Location: Vadodara, Gujarat, India
GitHub: github.com/parthmital
LinkedIn: linkedin.com/in/parthmital
Portfolio: parthmital.github.io/Portfolio

Education

Vellore Institute of Technology (VIT) — Vellore, India
B.Tech in Computer Science and Engineering — 2023 – 2027
CGPA: 8.66 / 10

Technical Skills

Languages: Python, C++, JavaScript, TypeScript, C, Java
Web Stack: HTML/CSS, React.js, Next.js, Tailwind CSS, FastAPI
ML/AI Tools: HuggingFace Transformers, EasyOCR, KeyBERT, scikit-learn, OpenAI API
Dev Tools: Git, GitHub, LaTeX, Markdown
Design Tools: Figma, Photoshop, Illustrator
3D Tools: Blender, Substance 3D Painter, RizomUV

Software Projects

AI Study Assistant — *LLM-based study tool with OCR and search*
GitHub: github.com/parthmital/StudyApp
- Built a dashboard with OCR parsing (EasyOCR), LLM-generated notes (Together AI), and topic extraction (KeyBERT).
- Implemented session-based history, question matching, and fuzzy search for previous year questions.
- Added YouTube transcript scraping (yt-dlp) and export to DOCX/PDF.

Portfolio Website — *Personal site with Preact + Vite + JSON backend*
Live: parthmital.github.io/Portfolio
GitHub: github.com/parthmital/Portfolio
- Built a modular, responsive site with JSON content management and clean UI.
- Deployed via GitHub Pages with optimized build.

Spotify UI Redesign — *Recreated Spotify frontend in React*
Live: parthmital.github.io/Spotify
GitHub: github.com/parthmital/Spotify
- Designed a custom React SPA replicating Spotify's layout with responsive nav and theme 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.