

Prajwal Shinde

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Education

Bachelor of Engineering - Computer Engineering

Nov 2023 – May 2027

Ajeenkya DY Patil School of Engineering, Pune University (SPPU)
CGPA: 8.68/10 | Third Year Student

Technical Skills

Languages: JavaScript, C++

Frontend: HTML, CSS, React, API Integration

Backend & Tools: Node.js, Express.js, MongoDB, Git, Vercel, Django

AI/ML: Natural Language Processing, Pretrained Models, Model Integration

Experience

AI Intern – Infosys Springboard

Oct - Dec 2025

- Built MelodAI, an AI-based music generator using sentiment & mood detection (NLP).
- Integrated pretrained NLP models in Django backend for text mood & sentiment analysis.
- Developed REST APIs for AI inference, mood processing, and Spotify playlist matching.
- Implemented Spotify recommendation logic using user mood + audio features.
- Created React frontend for user input, mood results, and music suggestions.
- Performed API integration between React ↔ Django ↔ Spotify API.
- Optimized inference speed and improved backend response flow.
- Collaborated on debugging, testing, and full-stack deployment.

Projects

MelodAI – AI Music Generator | Django, React, NLP Models, Spotify API

[GitHub](#)

- Developed an AI-based music generator that recommends songs using sentiment & mood detection.
- Integrated pretrained NLP models for analyzing user text and extracting emotional state.
- Built REST APIs in Django to process mood data and fetch mood-matched tracks.
- Implemented Spotify recommendation system using mood + audio feature mapping.
- Designed React frontend for user input, mood visualization, and music suggestions.
- Created end-to-end full-stack flow: React ↔ Django ↔ AI Model ↔ Spotify API.

Expensly – Smart Budget Tracker | HTML, CSS, JavaScript, Node.js, Express, MongoDB

[GitHub](#)

- Built a full-stack personal finance tracker for managing income, expenses, budgets, and savings.
- Implemented JWT authentication, secure login, and encrypted password handling.
- Designed and developed a responsive UI with dynamic dashboards and charts (Chart.js).
- Created REST APIs for transactions, budgets, and savings goal management using Express.js.
- Integrated real-time analytics: expense categories, monthly trends, progress indicators.
- Added budget alerts, savings goal tracking, and dark mode for enhanced user experience.
- Structured backend with models, routes, and middleware following modular architecture.