

Prayas Pandey

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Summary

Full-stack developer skilled in building intelligent, responsive web applications with robust backend services and intuitive UI, combining data-driven insights with modern development stacks.

Education

Bachelor of Engineering in Computer Science

2022 – 2026

Vidyavardhini's College of Engineering and Technology, Mumbai University

CGPA: 7.4/10

Coursework: Operating Systems, DBMS, Data Structures, OOP, Machine Learning, Web Technologies

Professional Experience

Web Developer Intern

Vasai, Maharashtra

Aspiring Media Tech

Jun 2024 – Sept 2024

- **Automated Campaign Delivery:** Eliminated manual WhatsApp messaging with a system capable of dispatching campaigns to 2,000+ users in a single tap, cutting effort by 90%.
- **Scheduled Campaigns Using Cron Jobs:** Developed a robust scheduler with 5-second intervals to ensure seamless batch execution and avoid throttling.
- **Live Analytics Dashboard:** Designed real-time dashboards showing delivery performance, user engagement, and click metrics to support data-driven marketing.
- **Role-Based Access Control:** Integrated a secure RBAC system enabling differentiated access for admins, managers, and viewers to maintain control and security.
- **Tech Stack:** HTML, CSS, JavaScript, Bootstrap, PHP, RESTful APIs, PostgreSQL

Projects

MindSync | *React.js, Node.js, Express.js, PostgreSQL, PGVector, JWT, Gemini API* | GitHub

April 2025

- Built an AI-powered journaling assistant using chunked text preprocessing and contextual NLP for personalized user insights.
- Stored journal embeddings using PGVector and performed semantic search with cosine similarity on 5,000+ entries.
- Integrated Gemini API for generating real-time, context-aware summaries and reflections.
- Enabled secure multi-user access with JWT-based authentication and PostgreSQL session handling.

Animated 3D Website – GSAP Demo | *JavaScript, HTML, CSS, GSAP, SVG* | GitHub

March 2025

- Developed smooth 3D animations and scroll-based transitions using GSAP for an immersive UI experience.
- Achieved a 95%+ Lighthouse performance score by optimizing media and implementing lazy loading.
- Ensured full responsiveness and tested across 15+ devices and browsers for a consistent experience.

Technical Skills

Programming: JavaScript, Python, C++

Frontend: HTML, CSS, React.js, Tailwind CSS

Backend: Node.js, Express.js

Databases: PostgreSQL, MongoDB, MySQL, Redis, Vector DBs

AI/ML: LangChain, OpenAI API, spaCy, NLTK, Prompt Engineering, SpeechRecognition

Tools: Git, Linux (Fedora), Postman

Achievements and Leadership

- **1st Place – IBSB Quiz Challenge:** Secured top position among 100+ peers through strategic and analytical problem-solving.
- **3rd Place – Coherence Hackathon:** Built scalable backend modules for an AI productivity suite, ranking among top 3 out of 60+ teams.
- **Core Member – Bitbytego Committee:** Spearheaded 4+ tech contests, driving a 40% increase in student engagement.
- Solved 200+ algorithmic problems on LeetCode, sharpening problem-solving and coding proficiency.