

Dipesh Singnurkar

Bachelor of Technology
Computer Science and Engineering
Indian Institute of Information Technology, Nagpur

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EDUCATION

- **Indian Institute of Information Technology, Nagpur** 2022–2026
Bachelor of Technology in Computer Science and Engineering

SKILLS

- **Languages:** C/C++, Python, JavaScript, Typescript, and HTML/CSS.
- **Frameworks:** NextJS, ReactJS, ExpressJS, NodeJS, Tailwindcss, SQL, PostgreSQL, Pandas, NumPy, and Matplotlib, Django, Flask
- **Tools:** Drizzle, Prisma, MongoDB, PineconeDB, SupaBase, OpenAI API and Clerk

EXPERIENCE

- **Software Developer Intern — Durvah IT** May 2024 – Jun 2024
Stack: ReactJS, ExpressJS, PostgreSQL, python
 - Developed an internal AI-powered meeting summarizer tool that transcribed audio into timestamped text using Hugging Face's **Whisper-large v2** model, storing outputs in organized text files.
 - Designed and integrated a **Salesforce-compatible API** to automate the upload of transcribed files and trigger email notifications to designated recipients.

PROJECTS

- **Template: Coldmailing made easy.** [Link](#) Apr 2025 – May 2025
Stack: Next.js, Typescript, PostgreSQL17, Tailwind CSS
 - Built a full-stack cold emailing platform enabling users to create, manage, and personalize professional email templates using user-defined variables, improving outreach scalability by 2x.
 - Integrated Gmail API to enable users to send emails directly from the platform, added secure OAuth 2.0 flow for Gmail account connection.
 - Set-up authentication using NextAuth.js with secure session handling and OAuth support, allowing seamless sign-in/sign-up and ensuring scalable multi-user access.
- **Drawloop: Sketch it. Share it. Shape it.** [Link](#) Feb 2025 - Apr-2025
Stack: Next.js, TypeScript, PostgreSQL17, Node.js, Websockets, ShadCN
 - Engineered a real-time collaborative drawing application using Next.js and TypeScript, enabling up to 500 concurrent users to create, edit, and share sketches seamlessly within a streamlined interface.
 - Implemented WebSocket-based 2-way communication for instant updates, ensuring low-latency synchronization of sketches across all connected clients.
 - Architected a lightweight and type-safe data layer using PostgreSQL-17 with Drizzle ORM as the provider, enabling efficient and reliable persistence of user-generated drawings.
- **PromptPDF: Interactive PDF chat-assistant using RAG technology** [Link](#) Dec 2024 – Feb 2025
Stack: Next.js, PostgreSQL, OpenAI, AWS S3, PineconeDB, ShadCN
 - Developed an AI-powered PDF chatbot platform using Next.js 15, DrizzleORM, and OpenAI, allowing users to interact with PDF content through natural language queries in real time.
 - Integrated Retrieval-Augmented Generation (RAG) by embedding PDF content into vector space and querying via PineconeDB, delivering fast and context-aware responses.
 - Integrated secure file handling via AWS S3, user authentication through Clerk, built an intuitive chat UI prioritizing accessibility and responsiveness using ShadCN UI components for a polished user experience.

VOLUNTEER EXPERIENCE

- * **Coordinator of University Coding Club (Dotslash)**
- * Led a 20+ member team to organize and execute DotSlash Winter of Code 2024, mentoring 50+ students through regular doubt-solving and project guidance.