

# NAVNATH KADAM

Software Engineer | MERN Stack • AI/ML



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## Education

2024 – 2027

Vidyalankar Institute of Technology, Mumbai

Bachelor of Technology in Computer Engineering

## Relevant CourseWork

- Data Structures
- Database Management
- Artificial Intelligence
- Software Development
- Algorithms Analysis
- Systems Programming

## Projects

StudySync – AI Learning Platform | FastAPI, Express, RAG, OCR (Jul 2025)

- Built microservice-based edtech platform with OCR for content extraction and RAG for personalized learning.
- Developed AI-driven features including chat, automated summaries, quizzes, transcripts, and custom notes.
- Integrated multiple services for seamless user experience and scalable architecture.

ResumeAI – AI-Powered Resume Builder | Express, FastAPI, React (Jun 2025)

- Developed microservice-based full-stack app generating resume content with Google Gemini API.
- Built secure backend using Express + FastAPI, integrated Firebase Auth for authentication.
- Designed React (Vite + TailwindCSS) frontend with modular, reusable components.

ChatOrbit – Real-Time Chat Application | MERN Stack, Firebase, WebSockets (Apr 2025)

- Built a real-time chat platform with live messaging, online status, and user authentication.
- Integrated Firebase Firestore and MongoDB for message storage.
- Implemented Socket.IO for WebSocket communication, handling 100+ concurrent connections.

MiniCursor – AI Code Agent | Node.js, Gemini AI, Automation (Aug 2025)

- Developed intelligent AI agent to execute system commands and generate code automatically.
- Integrated natural language understanding with external tool usage for accurate task execution.
- Automated coding workflows, enhancing developer productivity and reducing manual effort.

StockInsight – AI Stock Predictor | Flask, TensorFlow.js (Mar 2024)

- Created stock market analysis tool with real-time prediction and visualization.
- Trained models using polynomial regression and visualized data with TensorFlow.js.
- Integrated APIs (yfinance, Alpha Vantage) for live stock data.

# Libraries

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dev-preview – CLI Tool | Node.js (May 2025)

- Lightweight command-line tool to instantly preview HTML files in the browser.
- [🔗 npm package](#)

ndk-rpc-engine – RPC Engine | Node.js (May 2025)

- Lightweight RPC engine for distributed systems, supporting client and server communication.
- [🔗 npm package](#)

ndk-rpc-cluster – RPC Engine | Node.js (May 2025)

- Enterprise-grade RPC cluster system providing load balancing, fault tolerance, service discovery, auto-replica creation, and automatic failover
- [🔗 npm package](#)

(Both published on npm, publicly available for developers.)

## Technical Skills

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**Programming Languages:** Python, Java, C, C++, C#, JavaScript, TypeScript, SQL, HTML/CSS

**Frameworks & Libraries:** React.js, Next.js, Express.js, Django, Flask, FastAPI

**Developer Tools & Platforms:** VS Code, Eclipse, PyCharm, Git, GitHub, Docker, Vercel, Render  
Operating Systems: Windows, Ubuntu

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## Extracurricular

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**HackBuild, VIT** – Out of 400+ teams, reached Top 10 Final Round with innovative project implementation.

**Cognition Clash (Tech Competition):** Secured 1st Prize for developing StudySyncAI, an intelligent learning assistance platform

## Open Source COntributions

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### Contributor

- Actively contributed to open-source projects, enhancing features and fixing issues across repositories.
- I am engaged with the developer community to review and improve code quality in collaborative projects.