

Prathmesh Nitnaware

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PROFILE

Backend and AI systems enthusiast with hands-on experience building multimodal AI applications, RAG pipelines, and production-ready full-stack systems. Strong foundation in data structures, system design, and scalable backend development.

EDUCATION

Vidyalankar Institute of Technology, Mumbai

Bachelor of Technology in Computer Engineering

Wadala, Mumbai

2023– 2027

- Strong foundation in Data Structures, Algorithms, and Software Engineering Principles

SKILLS

Languages: Python, JavaScript, TypeScript, C++, Java

Backend: FastAPI, Express.js, Django, Flask, REST APIs, Node.js

Frontend: React.js, HTML, CSS, JavaScript

AI/ML: NLP, RAG, Model Evaluation, scikit-learn, Pandas, NumPy

App Development: Flutter, Kotlin

Databases: PostgreSQL, MongoDB

Cloud & DevOps: GCP, Linux, Git

PROJECTS

PrepAI – AI Mock Interview Platform ([link](#))

2025

- Built a multimodal AI mock interview platform using LLMs, Whisper STT, and computer vision for real-time adaptive interviews.
- Implemented audio and gaze-based analysis to evaluate confidence, clarity, posture, and engagement.
- Designed a weighted scoring engine combining technical, communication, and behavioral metrics into structured feedback reports.

StudySync – AI-Powered Learning Platform ([link](#))

2025

- Built backend services using FastAPI and Express to process user-uploaded study content.
- Implemented OCR and Retrieval-Augmented Generation (RAG) pipelines to generate summaries and quizzes.
- Designed asynchronous workflows using Kafka and WebSocket for real-time notifications.

GodSpeaks – Christian Print-on-Demand Startup Website ([link](#)) (Ongoing)

2025

- Built a full-stack Christian print-on-demand e-commerce platform with product catalog, cart, and checkout system.
- Developed REST APIs using Node.js and MongoDB to manage products, orders, and user sessions.
- Designed a responsive frontend and integrated secure payment workflow for seamless experience.

ACHIEVEMENTS

- Winner, Cognition Clash (AI/ML Showdown) for building StudySync AI. ([link](#))
- Finalist (Top 11/400+ teams) at HackBuild 2025 and Hacknovate 6.0 for developing EduMitra mobile app and an AI-driven Fake News Detection platform. ([EduMitra](#)) ([Fake News Detection](#))

CERTIFICATIONS

- Introduction to Data Analytics in Google Cloud – Sep 2025 ([link](#))
- Mastering Gen AI in Udemy – Dec 2025 ([link](#))