PRANAV NIGADE

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PROFILE

MCA student specializing in Full Stack Development with a strong interest in Cloud Computing and DevOps automation. Passionate about building scalable web applications, improving deployment workflows, and exploring cloud native architectures.

EDUCATION

Master of Computer Application, MIT World Peace University — 2024 – 2026
Pune, India — Expected 2026

Bachelor of Computer Application, MIT World Peace University — 2021 – 2024
Pune, India — CGPA: 8.93

TECHNICAL SKILLS

Programming Languages	JavaScript, TypeScript, Python
Frontend Technologies	React, Next.js, HTML, CSS, Tailwind CSS
Backend Technologies	FastAPI, Node.js, Express, REST APIs, WebSockets
Databases	PostgreSQL, MongoDB, Supabase, pgvector
Cloud & DevOps	Docker, GitHub Actions, CI/CD, Azure, AWS, Vercel, Git, Linux

PROJECT EXPERIENCE

Clearon – RAG Knowledge Management Platform (GitHub) — 2024 – 2026
Next.js, FastAPI, Azure OpenAI, PostgreSQL (pgvector), Docker — *Full Stack Developer*

- Designed and developed a production-grade Retrieval-Augmented Generation platform enabling semantic search and intelligent document processing across PDF, CSV, and web data sources.
- Integrated Azure OpenAI embeddings with PostgreSQL vector storage using pgvector to deliver scalable and high accuracy enterprise knowledge retrieval.
- Optimized backend services and API workflows, improving application performance by **97%**, reducing memory usage by **75%**, and decreasing startup time by **85%**.

Drawzzl – Real Time Multiplayer Drawing Game (GitHub | Live) — 2024
React, Next.js, Node.js, TypeScript, Socket.IO, MongoDB, Docker, Azure — *Lead Developer*

- Architected a scalable real time multiplayer platform supporting 8+ concurrent users with less than 100ms WebSocket latency and over 50 simultaneous game rooms using server authoritative state management.
- Deployed containerized microservices on Azure Container Apps with auto scaling from 0 to 3 replicas, achieving **99.9% uptime** through CI/CD pipelines using GitHub Actions.
- Built a responsive real time drawing canvas using Konva.js with MongoDB integration, JWT authentication, and seamless reconnection handling.

CERTIFICATIONS

AWS Cloud Solutions Architect Specialization (View Certificate) — Feb 2026

AWS Cloud Technical Essentials (View Certificate) — Jan 2026

Back End Domination (View Certificate) — Jun 2025

ACHIEVEMENTS

- Secured **2nd Position** in the **E.D.G.E 2025 Mini Project Competition** (Web Development Track), MIT World Peace University.