Nishant Patil

patil.nisha@northeastern.edu | +1 (617) 820-3764 | Boston, MA | linkedin.com/in/nishant-patil-cs | github.com/NishantNEU

EDUCATION

Northeastern University (CGPA: 4.0)   09/2025 – 12/2027 | Boston, MA
Master of Science in Information Systems (MSIS)

University of Mumbai (CGPA: 3.7)   07/2021 – 06/2025 | Mumbai, IN
Bachelor of Engineering (B.E.) in Computer Engineering

SKILLS

Languages: Python, Java (Spring Boot, Microservices), JavaScript, TypeScript, SQL

Frontend & Mobile: React, Flutter, HTML/CSS, Next.js, WordPress

Backend & API: Django, Node.js, Spring Boot, REST APIs, GraphQL, Microservices Architecture

Cloud & DevOps: AWS (EC2, ECS, S3, RDS, Lambda), Docker, Jenkins, Kubernetes, Git/GitHub, CI/CD, Terraform

Databases: PostgreSQL, MongoDB, MariaDB, MySQL, Firebase, Pinecone (Vector DB)

AI/ML & Tools: OpenAI API (GPT-3.5/4), Google Gemini, RAG, Prompt Engineering, Machine Learning integration, Figma, Selenium

PROFESSIONAL EXPERIENCE

Lyra Networks   02/2025 – 06/2025 | Mumbai, IN
Software Engineer Intern
- Designed and integrated secure payment gateway APIs (HDFC, Amazon Pay, Amex, ICICI) using **Java Spring Boot** and **microservices**, supporting 500K+ daily transactions with 99.9% uptime
- Developed scalable RESTful backend services for payment processing and data management using **PostgreSQL**, ensuring reliability across production systems
- Owned the development of an internal return reprocessing platform, implementing **cron-based automation** to identify uncleared payment records and enable secure self-service reprocessing without direct database access
- Automated **CI/CD** pipelines using **Jenkins**, deploying containerized services with **Docker**, reducing deployment time by 60%
- Implemented centralized logging and monitoring, reducing debugging time by 40% and improving real-time issue detection
- **Presented** system architecture and operational workflows to **stakeholders**, incorporating feedback into production releases

AgileGenX Fintech Private Limited   06/2023 – 11/2023 | Mumbai, IN
Software Engineer Intern
- Engineered a full-stack treasury management platform using **React (TypeScript)** and **Node.js (Express)**, enabling real-time financial dashboards and WebSocket-based live updates for 20+ finance teams
- Architected RESTful and **GraphQL** APIs with **JWT** authentication and role-based access control, improving API response latency by 45% while supporting secure financial workflows
- Enhanced database performance by applying query optimization and indexing strategies in **MariaDB**, accelerating financial report generation by 60%
- Deployed and monitored containerized services on **AWS EC2** with Elastic Load Balancing and auto-scaling, ensuring high availability and proactive issue detection using **CloudWatch**

University of Mumbai, Fr CRCE   06/2023 – 02/2025 | Mumbai, IN
Student Software Engineer
- Built and maintained a student information portal serving 1,000+ users, delivering personalized dashboards for academic performance, attendance tracking, and grade analytics
- Led migration from WordPress to Next.js (TypeScript, SSR), reducing page load times by 50% and improving overall user experience
- Optimized MySQL queries and implemented Redis caching, decreasing page load times by 35% and supporting high concurrent usage during enrollment periods

PROJECTS

Nexus NU - Campus Event Discovery & Academic Networking Platform ⧉   09/2025 – 01/2026
Professional Connect for Northeastern Exclusively
- Built full-stack social networking platform using React + TypeScript and Node.js microservices, deployed on AWS (ECS, S3, RDS) with CloudFormation IaC and real-time messaging via WebSockets serving university community of 5,000+ students

ParkSpace – Real-Time Parking Management Platform ⧉   08/2024 – 03/2025
Bachelor's Final Year Project
- Developed full-stack parking management web app using Next.js with TypeScript, Prisma ORM for database management, and Docker containerization, deployed on GCP Cloud Run with auto-scaling for real-time parking availability tracking across campus locations

AI-Powered Legal Document Assistant ⧉   08/2023 – 12/2023
Smart India Hackathon 2023 Winner
- Created production-grade AI legal assistant using Python/Django with OpenAI GPT-4 and RAG architecture, deployed serverless on AWS Lambda with API Gateway processing 10K+ document queries, now used by India's Ministry of Law