Neha Chaudhari

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EDUCATION

Master of Science in Computer Science   August 2024-December 2025
Clark University; Worcester, MA

Bachelor of Science in Electronics   August 2014-July 2018
MAKAUT; Burdwan, WB

Academic Team Project

Indoor Plant Marketplace; Clark University, Worcester, MA   August 2024-Present
- Built buyer/seller marketplace with Django, user-based authentication, role-based signup flows
- Integrated AI Chatbot using LangChain + OpenAI API for product recommendation and care tips

AI Powered Code Review Assistant; Clark University, Worcester, MA   Sep 2025-Ongoing
- Review platform to improve coding practice by ~40% through analysis and real-time feedback
- Built scalable microservices using Firebase, RabbitMQ, Fast API, Django, PostgreSQL, Redis

EXPERIENCE

Clark University; Worcester, MA   January 2025-April 2025
Teaching Assistant
- Mentored 30+ students in C# Desktop Application Development using .Net, OOP

Thingbits Electronics Pvt Ltd; Mumbai, MH   October 2018-July 2024
Software Developer
- Developed backend using Rails, PostgreSQL, and Sidekiq to handle high-traffic platform and background jobs
- Optimized caching layer with Redis and Rack-Cache, reducing application load time by 30%
- Refactored complex database queries with advanced indexing, improving database speed by 40%
- Developed Spree extensions (related products, volume pricing), boosting customer retention by 15%
- Integrated OAuth2 authentication and RazorPay payment gateway for secure, compliant transactions
- Built 15+ REST API endpoints to enable external integrations and internal modules
- Built real-time analytics dashboards with Blazer
- Tracked user behavior/events using Ahoy
- Deployed production application on AWS EC2, configured Nginx and Puma, automated CI/CD pipeline
- Collaborated with frontend developers for custom feature and extension development
- Worked closely with directors to accelerate fast feature delivery and decision-making process

SKILLS

Languages: Python, Ruby, JavaScript, C, HTML, CSS
Frameworks: Django, Ruby on Rails, React, Tailwind CSS, Bootstrap
Databases: PostgreSQL, MySQL, MongoDB, Redis (caching, query optimization)
Cloud & DevOps: AWS (EC2, S3), Terraform, Docker, Nginx, Capistrano, CI/CD
Software Engineering: OOP, MVC, REST API Design, OAuth2, Test-Driven Development
Tools: Git, Postman, Agile/Scrum