Raghavendra Nadiminti

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Education

Vignan's Institute of Information Technology *2023 – 2027*
B.Tech in Computer Science *CGPA: 9.01*

Experience

Software Engineering Intern, PayPal *May 2026 – Aug 2026*

- Built a scalable **data pipeline** for PayPal's storage fleet, automating operational data collection and observability.
- Built an **MCP-powered AI assistant** to query storage fleet data and automate infrastructure workflows.
- Developed a **Kubernetes incident-investigation MCP** for AI-driven cluster diagnostics and root-cause analysis.
- Automated **Kubernetes patching** to streamline cluster maintenance and improve operational reliability.
- **Tech Stack:** Python, Kubernetes, MCP, AI Agents, Observability

Backend Developer Intern, SafeYourWeb *Apr 2025 – Jul 2025*

- Built secure REST APIs using **FastAPI** with rate limiting (100 req/min), reducing server load by 30%.
- Integrated **JWT** authentication (HTTP-only cookies) and **Razorpay** payment gateway, processing 50+ transactions.
- Optimized **PostgreSQL** and **MongoDB** queries, cutting average API response time by 40%.
- Built a media upload pipeline using **Multer** and **Cloudinary** with 99.9% uptime across 100+ uploads.
- **Tech Stack:** FastAPI, Node.js, PostgreSQL, MongoDB, JWT, Razorpay, Cloudinary

Full-Stack Developer Intern, Neuxa Global *Jun 2025 – Oct 2025*

- Rebuilt the official company website using **Next.js**, achieving 35% faster load speed and 25% higher user engagement via SEO and performance optimizations.
- Automated certificate and offer-letter generation, cutting HR onboarding workload by 60% across 50+ documents.
- Led a team of 3 developers in an Agile environment, assigning tasks and reviewing code to ensure on-time delivery.
- Built a secure admin panel with **MongoDB** role-based access control supporting 500+ users.
- **Tech Stack:** Next.js, Node.js, MongoDB, REST APIs, Vercel

Projects

DeployServers *Repo*

- Built an automated deployment platform where users connect a GitHub repo and deploy via a one-click workflow.
- Engineered a pipeline that clones repos, generates **Dockerfiles**, builds containers, and starts apps automatically.
- Used **BullMQ** workers for async job processing and custom proxy routing for dynamic port management.
- **Tech Stack:** React, Node.js, Docker, MongoDB, AWS

RN-Sandbox *Repo*

- Built a browser-based React Native playground for writing and running code without any local setup.
- Isolated each user session using **Docker** containers with a custom Node.js proxy for secure multi-user execution.
- Used **Redis** to track container, port, and user mappings for near real-time routing and allocation.
- Deployed on **AWS** with **Jenkins CI/CD**, automated cleanup of idle containers to reduce resource waste.
- **Tech Stack:** React, Node.js, Docker, Redis, AWS, Jenkins

DeepFake Detector *Repo*

- Built a deepfake detection model using **CLIP embeddings**, forensic **CNN** for image and video authenticity analysis.
- Built an **AIML** model with a multi-stage pipeline: frame extraction, face alignment, fusion, classification.
- Fine-tuned with frozen CLIP encoders and trainable LayerNorm heads, improving generalization.
- **Tech Stack:** Python, CLIP, CNN, Tensorflow

Technical Skills

Languages: Python, JavaScript, Java, SQL
Frameworks: React.js, Next.js, React Native, Express.js, Node.js, FastAPI
Cloud & DevOps: AWS, Docker, CI/CD, Jenkins, Linux, NGINX, Kubernetes
Databases: MongoDB, MySQL, PostgreSQL
Developer Tools: Git, GitHub, Postman, VS Code, Vercel
Core Concepts: Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks

Achievements

- Reached **LeetCode Knight** rank, demonstrating strong Data Structures & Algorithms skills.
- Built and deployed the **SuShacks** hackathon platform, managing registrations and team workflows for 500+ users.
- Selected as **Web Development Lead** at Google Developer Groups (GDG) campus club for the tenure 2025–2026.

Coding Profiles

LeetCode: Raghavendra90 **CodeChef:** raghavendra91 **GeeksforGeeks:** raghavnaqbkf