

Aayush JP

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EDUCATION

JAIN (Deemed-to-be-University)

Bengaluru, Karnataka

Bachelor of Technology in Computer Science

2022 – 2026

- Current CGPA: 7.6/10.0
- **Relevant Coursework:** Distributed Systems, Cloud Computing, Linux Administration, Computer Networks, Operating Systems, DBMS, Data Structures & Algorithms.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, Bash/Shell, Java

Cloud & DevOps: AWS (EC2, S3, IAM), Docker, Kubernetes, GitHub Actions, Terraform, Nginx

Developer Tools: Git, VS Code, Postman, Linux (Ubuntu, CentOS), Jupyter Notebook

Frameworks & Databases: Node.js, MongoDB, MySQL, Google Apps Script

Fundamentals: RESTful APIs, CI/CD Pipelines, Microservices, Networking (TCP/IP, DNS, HTTP)

PROJECTS

CI/CD Pipeline for Portfolio Website Deployment | *GitHub Actions, Docker, Nginx*

2025

- Containerized a responsive personal portfolio website using **Docker** and served it via **Nginx** for production-grade hosting.
- Built a CI/CD workflow using **GitHub Actions** to automate build and deployment steps on every push to the main branch.
- Implemented versioned image builds and automated deployment by pulling updated images and restarting containers on the server.
- Configured Nginx for static asset caching and clean routing to improve website performance and reliability.

Disaster Relief & Emergency Aid App | *Node.js, MongoDB, Docker Compose, Linux*

2025

- Developed and deployed a web application for emergency aid coordination with backend integration using **Node.js** and **MongoDB**.
- Orchestrated a multi-container setup using **Docker Compose** for the application backend and database services.
- Managed environment variables securely using **.env** configuration and isolated services through Docker networks.
- Performed Linux-based deployment and debugging by analyzing container logs and resolving runtime connectivity issues.

Student Evaluation & Feedback Automation | *Google Forms, Apps Script, JavaScript*

2025

- Designed a structured 3-phase student assessment workflow: **Pre-assessment, Coding Test, Post-assessment Feedback**.
- Automated response collection and organization using **Google Apps Script** and linked outputs to **Google Sheets**.
- Improved evaluation efficiency by enabling centralized data tracking and reducing manual work in organizing responses.
- Collaborated in a 4-member team, handling form design, validation logic, and data structuring using JavaScript.

OPEN SOURCE & COMMUNITY

Open Source Contributor | *GitHub*

Present

- Contributed documentation fixes to **The Odin Project**, improving clarity for new learners.
- Raised issues and validated bugs for **Antigravity**, assisting maintainers in reproducing and resolving errors.

Detecting Parkinson's Disease using ML | *IEEE Publication / Project*

2024

- Built Machine Learning models using Python to classify Parkinson's disease based on vocal feature analysis.
- Performed data preprocessing, feature extraction, and model comparison to achieve high prediction accuracy.

CERTIFICATIONS

AWS Certified Cloud Practitioner – Amazon Web Services (In Progress)

Git & GitHub Actions: The Big Picture – LinkedIn Learning/Udemy

NDG Linux Unhatched – Cisco Networking Academy