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Experience

Software Development Engineer

Jul 2025 – Present

Nxtwave, Hyderabad

- Built real-time instructor platform using **Node.js**, **Next.js** with low-latency tracking of sessions and performance metrics
- Developed code playground and redesigned UI/UX, improving engagement and navigation
- Implemented AI-based grading (Gemini), voice recording, and automated tracking features
- Designed hybrid **PostgreSQL + MongoDB** architecture for efficient data handling
- Secured system using **JWT**, **RBAC** and built support + communication features

AI Researcher — Internship

Oct'24 – Mar'25

Pisarv Technologies + DRDO

- Engineered swarm intelligence system achieving **99% sync accuracy** in multi-drone formations
- Built low-latency distributed communication using Python sockets ($< 50ms$ across 5 nodes)
- Designed AI-based path planning algorithms (PSO, ACO, Hybrid) for autonomous drones
- Developed YOLOv8-based anti-drone detection system with **95%+ accuracy**

Web Developer

Aug'22 – Jul'23

Arino Tech Labs Pvt. Ltd.

- Built and optimized responsive WordPress websites, improving UI/UX and reducing load time by 30%
- Developed scalable frontend solutions using HTML, CSS, JavaScript with cross-browser support

Projects

OnePiece Security (Ongoing)

IAM / SSO using Ory Hydra

- Building centralized IAM system using **OAuth2**, **OIDC** enabling secure SSO across applications
- Implementing auth flows, consent handling, and **RBAC** for secure access control
- Developing backend with **PostgreSQL** for identity storage and token validation

ResumeCare (Ongoing)

AI Resume Analysis Platform

- Built full-stack platform using **Next.js**, enabling resume parsing and ATS scoring
- Integrated **AWS S3** + hashing for storage and duplication
- Developed real-time AI feedback and LaTeX-based resume generation system

Education

M.Tech, MNIT Jaipur(2025)

CGPA: 7.87

B.Tech, DCRUST Sonapat

CGPA: 7.23

GATE Qualified with a good rank

Technical Skills

Languages: Python, JavaScript, C++

Web: React.js, Next.js, Node.js, Express.js

Databases: PostgreSQL, MongoDB

Security: OAuth2, OIDC, JWT, RBAC

Cloud: AWS (S3, EC2), Docker

AI/ML: YOLOv8, Gemini