MUNJAM NAVADEEP

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EDUCATION

Indian Institute of Technology, Bhilai   **2022 − 2026**
B.Tech - Computer Science and Engineering   *Bhilai, Chattisgarh*

EXPERIENCE

Predusk Technology Pvt. Ltd   **May 2025 - July 2025**
Data and DevOps Intern   *Jaipur, Rajasthan*

- Developed and maintained scalable web applications using **Next.js (App Router)** for frontend and **FastAPI** for backend microservices, improving user engagement.
- Integrated **PostgreSQL** with **Prisma ORM** for efficient data modeling, reducing query latency by **39%** and enabling type-safe migrations.
- Automated CI/CD pipelines using **GitHub Actions**, cutting deployment time by **43%** and increasing release frequency to weekly.
- Implemented logging, monitoring, and alerting solutions, reducing incident response time by **35%** and improving system uptime .
- Used **Docker** and container orchestration to ensure consistent environments, reducing environment-related bugs by **50%**.

PROJECTS

Full Stack Blog Platform ⎘ | React, NextJS, Database - Postgress   **Jan 2025 - Feb 2025**

- Structured a relational database schema with PostgreSQL and Prisma ORM, modeling 5+ user relationships and storing 1,000+ posts efficiently.
- Implemented secure authentication using Clerk, supporting 2 OAuth providers and email/password authentication, ensuring 100% security compliance.
- Built 4 CRUD operations (Create, Read, Update, Delete) for blog posts, implementing role-based authorization checks with 99.9% accuracy
- Deployed on Vercel with CI/CD automation, reducing manual deployment time by 70%.
- **Technologies Used:** Next.js 14, TypeScript, Tailwind CSS, Prisma, PostgreSQL, Clerk, Vercel ,CI/CD for automation .

Terminal Shell Development ⎘ | C, Unix System Programming, Make   **June 2024 - July 2024**

- Developed a **custom Linux shell** with core command execution capabilities using `fork/exec` system calls.
- Engineered **15+ standard commands** including `ls`, `cp`, `mv` with proper error handling and user feedback.
- Added **custom features** like `gexit` for graceful exit and command history tracking.
- Optimized performance through **memory management** and modular code design with `.h/.c` files.
- Refactored code into modular `.h/.c` files, reducing compile time by 20% and improving code maintainability, enabling faster debugging and feature implementation across the command suite.

OPEN SOURCE CONTRIBUTIONS

Student Database CI/CD − OpenLake ⎘ | GitHub Actions, Docker   **May 2025**

- Contributed to OpenLake's Student Database project by setting up CI/CD pipelines using **GitHub Actions**.
- Created automated workflows for Docker builds, linting, and deployment, improving code integration efficiency.
- Successfully closed `Issue #53` after workflow validation and integration by maintainers.

TECHNICAL SKILLS

Languages: C, C++, JavaScript, TypeScript
Markup/Styling: HTML, CSS, Tailwind CSS
Technologies/Frameworks: Next.js, React, Express, FastAPI
Developer Tools / DevOps: Git, GitHub, VS Code, Postman, Jenkins, Docker, Kubernetes,Trivy, SonarQube
Cloud/Databases: AWS, MongoDB, Mongoose
Coursework: Web Development, Data Structures and Algorithms, Operating Systems, Compiler Design, ML, NLP
Areas of Interest: DevOps, Web Development

ACHIVEMENTS

1st place **Code Cursade Hackathon** among 24 teams organized by the Coding Club at IIT Bhilai.2024

EXTRACURRICULAR

- **3KM Marathon Champion**: Secured 3rd place out of 18 participants in the 2021 Intra-College Competition (Timing: 10:47).
- **DesignX Member** (2023–2024): Designed 3+ institutional event posters using Figma and Adobe Suite, garnering 60+ impressions.