SHRAVAN JAIN

Systems Engineer Applicant | Computer Applications Graduate
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PROFESSIONAL SUMMARY

Computer Applications graduate with strong fundamentals in OOPs, Data Structures & Algorithms, Operating Systems, Computer Networks, and DBMS. Hands-on experience building full-stack applications with Java, Spring Boot, React, and REST APIs, plus exposure to Git, CI/CD, and the SDLC. Quick learner with strong problem-solving and communication skills, adaptable to new technology stacks in a fast-paced environment.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript

Core CS Fundamentals: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOPs), Operating Systems, Computer Networks (CN), DBMS, SDLC

Frameworks & Libraries: Spring Boot, Spring Security, React

Databases: PostgreSQL, MongoDB

Tools & Platforms: Git, GitHub, GitHub Actions (CI/CD), Docker, Nginx, Cisco Packet Tracer

Concepts & Protocols: REST APIs, WebSockets, OAuth2/JWT, DNS/DHCP, TCP/IP networking, OWASP Top 10, Secure Coding Practices

WORK EXPERIENCE

Codelab Systems — Web Application Development Intern **Dec 2024**
Mangalore, Karnataka

- Owned reusable React components and REST API integration across a modular frontend architecture, collaborating with a team via Git to resolve issues and deliver UI enhancements on schedule.

ACADEMIC & PERSONAL PROJECTS

CodeTrack – Real-Time Coding Activity Tracker **Jul 2026**
Java, Spring Boot, React, PostgreSQL, OAuth2/JWT, WebSockets

- Built a full-stack platform tracking coding activity across 4 platforms (LeetCode, Codeforces, CodeChef, VS Code), surfacing live streaks, rankings, and solve history on a React dashboard.
- Implemented secure Google OAuth2 login with Spring Security via a custom AuthenticationSuccessHandler that provisions users on first sign-in and issues stateless JWT tokens for session management.
- Persisted user data and leaderboard rankings in PostgreSQL via Spring Data JPA, and streamed real-time activity events over WebSocket to a responsive, layered (Controller/Service/Repository) React dashboard.

GitHub: github.com/ShravannJain/TrackYourCode

Mnemos – Full-Stack Journaling Application **Jul 2026**
Spring Boot, React, MongoDB, Docker, Nginx

- Containerized a full-stack Spring Boot and React application using multi-stage Docker builds, orchestrated via Docker Compose with Nginx as a reverse proxy for the frontend and API routing.
- Built a GitHub Actions CI/CD pipeline automating backend and frontend tests and image builds, publishing validated images to Docker Hub on every push to main.
- Configured container-to-container networking and internal DNS resolution across services, applying core networking fundamentals to a self-contained local deployment.

GitHub: github.com/ShravannJain/Mnemos-jrnl

Network Simulation – DNS & DHCP Resolution **Dec 2025**
Cisco Packet Tracer

- Independently designed and simulated a network topology, configuring routers, switches, and DNS/DHCP servers to model IP allocation and domain resolution, troubleshooting connectivity to reinforce networking fundamentals relevant to secure system design.

GitHub: github.com/ShravannJain/packetracer-hub

EDUCATION

Nitte Mahalinga Adyantaya Memorial Institute of Technology (NMAMIT) **Aug 2025 – Present**
Master of Computer Applications (MCA), CGPA: 8.19 — Nitte, Karnataka

SDM College (Autonomous) **Jul 2022 – Apr 2025**
Bachelor of Computer Applications (BCA), CGPA: 7.59 — Ujire, Karnataka