

Swarnim Vilas Dhawale

Bangalore, Karnataka, India

+91 8468812504 swarnimdh@gmail.com [linkedin](#) [leetcode](#)

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, JavaScript, TypeScript, SQL

Full-Stack Development: Spring Boot, Next.js, React, REST APIs, HTML, CSS, MySQL, MongoDB

Machine Learning and Data Systems: Scikit-learn, TensorFlow, Pandas, NumPy, Data Modeling, Deep Learning

Systems And Tools: Git, GitHub, Postman, Docker, Kubernetes, MinIO, AWS, Shell Scripting, Networking Protocols

Fundamentals: DSA, OOPs, Operating Systems, Computer Networks, DBMS, System Design

WORK EXPERIENCE

Tripleleaf Designs (Startup backed by Zerodha)

Bangalore

Software Development Engineer I

Jan 2025 - Present

- Engineered a **CRM platform** with Spring Boot and Next.js, reducing duplicate customer entries by 40% and cutting query latency by 35%.
- Integrated **Zitadel-based authentication** for multi-tenant, zero-downtime access control, enhancing security across 5+ client organizations.
- Implemented **MinIO-based object storage**, lowering infrastructure costs by 25% while scaling to handle 10K+ customer records.
- Optimized core **REST APIs**, reducing average response time by 30% under peak load.
- Applied **data-driven optimization techniques** to improve scalability and fault tolerance in backend systems.
- Enhanced **backend fault tolerance and system scalability** using data-driven performance analysis techniques.

Chamaksaathi (Startup backed by Info Edge)

Gurugram

Software Engineer Intern

Jan 2024 – Jun 2024

- Integrated **frontend and backend modules**, streamlining workflows and enabling seamless data management with **MongoDB**, improving query performance by 25%.
- Implemented robust **API integrations**, ensuring smooth client-server communication and reducing data sync issues by 30%.
- Designed and launched a **feature-rich admin panel** from scratch with real-time booking visibility and transaction tracking, boosting administrative efficiency by 40%.
- Collaborated in **agile development cycles** and optimized database schema for scalable, high-throughput queries.

EDUCATION

National Institute of Technology Kurukshetra

Kurukshetra

Bachelor of Technology in Electronics and Communication Engineering

- Relevant coursework: Data Structures, Object Oriented Programming, DBMS, OS, Machine Learning

PROJECTS

Deep Fake Image Detector (Improved the accuracy of the [Research Paper](#))

Sep – Dec 2024

- Built a **CNN-based model** using TensorFlow achieving **96.2% accuracy** on 50K+ images.
- Enhanced detection by 15% via **transfer learning** and custom neural architecture.
- Designed a scalable **ML pipeline** with preprocessing, augmentation, and evaluation for robust real-world inference.

StudyNotion

Jul – Aug 2024

- Developed a **full-stack course platform** (Spring Boot + Next.js) with 30+ API integrations.
- Implemented **role-based access control**, reducing unauthorized access by 40% and improving reliability by 35%.
- Enabled real-time management of **20+ courses**, increasing instructor efficiency by 30%.
- Integrated secure **OTP/email verification**, reducing registration drop-offs by 25%.

ACHIEVEMENTS AND CERTIFICATIONS

- Solved **500+ DSA Questions** on platforms like [LeetCode](#), GfG and HackerRank including 200+ medium level challenges with a leetcode rating of **1700**.
- Ranked **9th** in **CodeRush**, a coding contest at NIT Kurukshetra among 500 participants.
- Completed certifications in **AWS and Machine Learning**.