

SALIL NEMA

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Detail-oriented Computer Science undergraduate and Java Developer with a solid foundation in Object-Oriented Programming (OOP), Data Structures & Algorithms, and modern web application development. Demonstrated hands-on engineering experience through frontend internship work at EvoXel, full-stack and backend contributions to EduSkill, and systems engineering projects. NPTEL Elite certified in Object Oriented Programming by IIT Roorkee (70%). Dedicated to writing clean, maintainable code and building high-performance software.

EDUCATION

IES College of Technology (Affiliated with RGPV)

Bachelor of Technology (B.Tech) in Computer Science & Engineering

Bhopal, MP, India

Sep 2024 – Sep 2028

- Relevant Coursework: Object-Oriented Programming, Data Structures & Algorithms, Database Management Systems, Operating Systems, Software Engineering.

Higher Secondary Education (12th Grade)

Senior Secondary Certificate — Aggregate: 70%

Madhya Pradesh, India

Completed

TECHNICAL SKILLS

Languages: Core Java (OOP, Collections, Multithreading), JavaScript (ES6+), TypeScript, SQL, C/C++

Web Technologies: React, HTML5, CSS3, RESTful APIs, Responsive Web Design

Databases & Tools: Oracle SQL, MySQL, Git, GitHub, Eclipse IDE, VS Code, EditPlus

Core Concepts: Object-Oriented Design (OOD), Data Structures & Algorithms (DSA), Problem Solving, Debugging

WORK EXPERIENCE

EvoXel

Frontend Developer Intern

Bhopal, MP, India

Jun 2026 – Sep 2026

- Engineered and optimized modular, reusable frontend components to build high-performance, responsive web interfaces.
- Collaborated with cross-functional team members to integrate dynamic REST API endpoints with state-driven client views.
- Conducted UI debugging, code reviews, and cross-browser testing to guarantee uniform performance across devices.

EduSkill

Backend & Java Developer / Full Stack Contributor

Remote / Project-Based

2025 – 2026

- Contributed to the EduSkill learning ecosystem by developing backend data modules and course milestone tracking schemas.
- Implemented and optimized web portal modules, integrating data flow logic and structured database queries.
- Configured deployment workflows on Cloudflare Workers for low-latency web distribution ([GitHub Project](#)).

PROJECTS

Banking Management System

Core Java Desktop & Database Application

Java, OOP, Oracle SQL, File I/O

Academic Project

- Designed and implemented a comprehensive financial management system supporting secure account creation, transaction processing, and automated ledger generation.
- Applied core OOP principles (encapsulation, abstraction, inheritance, polymorphism) to structure domain business logic.
- Integrated Oracle SQL database persistence with robust exception handling and input validation routines.

Fire Alert Alarming System

Real-Time Hazard Detection Solution

Embedded Systems, C/C++, Sensors, Hardware Logic

Academic Project

- Architected an automated safety alert mechanism integrating thermal and smoke sensor data with immediate alarm dispatch.
- Engineered low-latency threshold detection algorithms to minimize false positives and dispatch instant auditory and visual alerts.

CERTIFICATIONS & ACHIEVEMENTS

NPTEL Elite Online Certification — Fundamentals of Object Oriented Programming

Indian Institute of Technology Roorkee (IIT Roorkee) & NPTEL (Jan–Apr 2026, 4 Credits)

Secured **Elite Certification** with a consolidated score of **70%** (Assignments: 23.1/25, Proctored Exam: 46.5/75) | Roll No:

NPTEL26CS87S1252400929 | [View Official Certificate](#)

3rd Rank — School Science Exhibition

Awarded 3rd rank in the competitive inter-school science exhibition for designing and demonstrating an innovative scientific engineering prototype.