

## EDUCATION

### SRMS , Bareilly, U.P

Bachelor of Technology (B.tech)

August 2018 — May 2022

CGPA : 8.68

## EXPERIENCE

### RADHARANI ASSOCIATES

October 2024— Present

Software Engineer

Remote

- Developed **Node.js** microservices with **Express.js** and **MongoDB** for financial operations, **secure auth system** with **JWT**, **OAuth 2.0**, **Google login** (Passport.js), and **CSRF protection**, integrated payment gateways via **TSPs**, enabling UPI, card transactions.
- Improved API speed with **Redis caching**, **indexing**, and aggregation pipelines, built responsive **React.js** UI using Redux, lazy loading, and **useMemo** for performance.
- Added search optimization using **debouncing**, **throttling**, and **Redux caching**.
- Secured frontend with JWT, **CORS policies**, and proper API **input validation**.
- Performed UI performance testing and load simulation using **JMeter**, **k6**, and browser dev tools.

### INFOSYS LIMITED

November 2022— September 2024

Software Quality Engineer

Chandigarh, India

- Performed UI functional testing using **Selenium**, validating UI functionalities, components and user-facing flows.
- Scaled backend infrastructure using **Node.js cluster module** and **PM2**, achieving up to **4x** better concurrency; improved API speed by **10–15%** through **Redis-based smart caching** and **rate-limiting** (JMeter/k6 tested).
- Engineered **real-time prescription PDF generation** with **PDFKit** streams, reducing **memory usage** and **latency** by **~30%** (benchmarked via performance.now() and **Newman**).
- Designed optimized **MongoDB aggregation pipelines** for **dynamic analytics**, patient history filtering, and **query tuning**.
- Strengthened resilience using **Winston logger**, custom error middleware, and **structured logging** for real-time debugging.
- Built scalable, maintainable React.js apps using **Lazy Loading**, **HOCs**, custom hooks, and **Redux**, enabling modular UI with robust API handling.
- Designed **Config-driven frontends** and followed industry-grade patterns for flexible, reusable component architectures.

### LTI MINDTREE

Feb 2022— May 2022

SDE Intern

Remote

- Trained by SMEs in Dotnet Full Stack, with React.js frontend and **.NET Core Web API** backend.
- Completed milestone tasks to earn monthly stipend and earned a **PPO** upon successful internship completion.
- Built "**Tops Jobs Portal**" as a capstone project featuring job listings, authentication, and admin-user dashboards.
- Optimized frontend performance using **code-splitting**, lazy loading, and **memoization** to prevent unnecessary re-renders.
- Integrated secure **REST APIs** and implemented clean, reusable UI components using React best practices.

## PROJECTS

### SOCIAL MEDIA MICROSERVICES

- Node.js microservice SocialMediaService advance architecture project, **Redis** for caching posts IP based rate limiting feature, **multer** for file handling efficiently and **cloudinary** for uploading images, allow users to add image and posts
- **RabbitMQ** as **message broker** for microservice communication, **accessToken**, **refreshTokens** for authentication, **Joi** for validations, MongoDB database **mongoose ODM**, **proxying** microservices via using express package - **api-gateway**

## TECHNICAL SKILLS

<b>Languages:</b>	Javascript , Typescript , HTML, CSS, CPP
<b>Frameworks:</b>	React.js, Node.js, Redux, Selenium
<b>Familiar:</b>	NoSql, RabbitMQ, Redis
<b>Concepts:</b>	Design Patterns, Microservices, REST APIs
<b>Tools:</b>	MongoDB Atlas, Git, Prometheus, JMeter, K6, SOAPUI, VSCode, Eclipse IDE

## ACHIEVEMENTS

- Received appreciation from Infosys companywide for solving open source code issue for internal employees.
- Received recognition and reward from **Nestle** for providing best engineering algorithm for "Value Chain Transformation"
- Solved over 300+ Problems on [Leetcode](#), [GeeksForGeeks](#), [Codechef](#) and other coding platforms