

RESHAM ROUT

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EDUCATION

Vellore Institute of Technology

Master of Computer Applications

- CGPA: 9.12

SSR College of Arts, Commerce and Science

Bachelor of Business Administration in Computer Applications

- CGPA: 8.79

Vellore, Tamil Nadu

July 2024 – Present

Silvassa, DNH

August 2021 – April 2024

TECHNICAL SKILLS

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

Frontend Development: HTML, CSS, React.js, Redux, Context API, Figma, Tailwind CSS

Backend Development: Node.js, Express.js, RESTful APIs, Axios, Nodemailer, Razorpay, Cloudinary

Databases: MySQL, MongoDB, Oracle DB

Tools & Platforms: Git, GitHub, Docker, Postman, VS Code, Eclipse, NetBeans, MongoDB Atlas

Cloud Platforms: AWS, Azure, Google Cloud Platform (GCP)

Soft Skills: Problem-Solving, Critical Thinking, Effective Communication

PROJECTS

StudyNotion | MongoDB, Express.js, React.js, Node.js, Redux, Razorpay, Postman, Cloudinary

- Developed a fully functional **Ed-tech platform** using the MERN stack, enabling users to create and consume educational content.
- Designed and implemented **35+ RESTful APIs** with role-based authentication, **JWT-based** session management, and email based **OTP** verification using Nodemailer.
- Built instructor features for course creation, publishing, and content management, integrating **Cloudinary** for optimized media storage and **Razorpay** for secure payment workflows.
- Implemented responsive design approach with Tailwind CSS and custom CSS utilities, ensuring seamless user experience across desktops, tablets, and smartphones.
- Tested and validated **100%** of API endpoints using Postman, focusing on security, access control, and performance.

TripVista | React.js, Node.js, Express.js, MongoDB, TailwindCSS, Axios

- Built a full-stack web app for exploring and booking travel experiences with **dynamic slot availability**.
- Implemented **15+ RESTful APIs** in Express.js for experiences, bookings, and promo code validation.
- Designed and implemented a responsive, modern UI using React and Tailwind CSS, ensuring seamless frontend-backend **integration via Axios** and strong form validation.
- Integrated MongoDB for data management and Unsplash API for fetching travel images dynamically.

NeoScholar | React.js, Node.js, Express.js, MongoDB, TailwindCSS, ContextAPI

- Developed a full-stack scholarship portal enabling students to discover and apply for **50+ scholarships**.
- Built an Admin dashboard to manage **50+ scholarship listings**, review **100+ student applications**, and supporting approval workflows.
- Designed MongoDB schemas to store user profiles and application records, enabling efficient querying and scalable data management.
- Implemented dual authentication flows with **2 user roles** (Admin, Student) using session management and cookies.

RELEVANT COURSEWORK

Database Management System(DBMS), Operating Systems(OS), Computer Networks(CN), Cloud Computing, Software Engineering, Data Structures and Algorithms(DSA), Object-Oriented Programming(OOPs).

CERTIFICATIONS & EXTRACURRICULAR ACTIVITIES

- Web Development Bootcamp (MERN Stack) • Data Structures & Algorithms
- Participated in the Java Hackathon as a team leader and contributed to group-based coding challenges.
- Represented school at district-level volleyball and football tournaments, demonstrating teamwork and leadership.