RESHAM ROUT

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EDUCATION

Vellore Institute of Technology — Vellore, Tamil Nadu
Master of Computer Applications — *July 2024 – Present*
- CGPA: 8.91

SSR College of Arts, Commerce and Science — Silvassa, DNH
Bachelor of Business Administration in Computer Applications — *August 2021 – April 2024*
- CGPA: 8.79

TECHNICAL SKILLS

Languages: C++, C, Java, Python, SQL, JavaScript
Frontend Development: HTML, CSS, React.js, Redux, Tailwind CSS
Backend Development: Node.js, Express.js, REST APIs
Tools & Platforms: VS Code, Eclipse, NetBeans, Postman, MongoDB Atlas, Docker, Git, GitHub
Databases: MySQL, MongoDB, Oracle DB
Cloud Platforms: AWS, Azure, GCP
Soft Skills: Critical Thinking, Problem-Solving, 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 RESTful APIs and implemented role-based authentication (Instructors, Students) and session management using JSON Web Token, along with email-based OTP verification using Nodemailer.
- Built instructor features for course creation, publishing, and content management, integrating Cloudinary for file storage and media optimization.
- Implemented responsive design approach with Tailwind CSS and custom CSS utilities, ensuring seamless user experience across desktops, tablets, and smartphones.
- Thoroughly tested API endpoints with Postman to validate security, efficiency, and access control.

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 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 scholarships through a user-friendly interface.
- Created an Admin dashboard for managing scholarships, reviewing student applications, and approving eligible candidates.
- Utilized MongoDB for storing user data and application records, ensuring scalability and efficient querying.
- Implemented dual login systems with session management and cookies for both Admin and Student roles.

RELEVANT COURSEWORK

Database Management System, Operating Systems, Computer Networks, Cloud Computing, Data Structures and Algorithms, Object-Oriented Programming.

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.