Varunreddy Sannapureddy

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Summary — Aspiring Software Engineer with strong programming skills in JavaScript, TypeScript, and web technologies like React and Node.js. Eager to learn, collaborate, and contribute to building efficient, scalable software solutions.

Skills

Languages	C++, JavaScript, TypeScript	**Others**	Git, REST API, VS Code, Postman, Docker, Vercel
Web Development	React.js, Express.js, Node.js, Tailwind CSS,		
Database	MongoDB, Prisma ORM		

Experience

Edunet Foundation   Jun 2023 – Jul 2023
Web Developer Intern (Virtual)

– Utilized HTML, CSS, and JavaScript to ensure a smooth user experience for web applications.
– Troubleshot and debugged issues, improving website performance by 20 %.
– Successfully created a functional replica of the Myntra website, demonstrating proficiency in web development and design.

Education

SRM Institute of Science and Technology, India   Sep 2021 – Jun 2025
BTech in Computer Science and Engineering   *CGPA: 8.51*

Projects

Student Application   🐙 **Github**
Technologies: React.js, Express.js, Node.js, Socket.io , PostgreSQL , Prisma , TypeScript

– Developed comprehensive user authentication with secure login, email-based password recovery, and profile management to update profile and image , ensuring personalized and secure user access passwords.
– Enabled student club engagement with features for creating, joining, and managing clubs, fostering a collaborative community environment
– Implemented notifications to keep users updated on club activities and important events, enhancing user engagement and retention .

News Application   🐙 **Github**
Technologies: Express.js, Prisma, PostgreSQL, Node.js

– Implemented JWT Cookie-based Authentication Middleware, reducing unauthorized access incidents.
– Boosted app performance by 30 using Redis for caching to optimize performance, and implemented rate limiting to protect against DDoS attacks, reducing server overload and increased application performance .
– Achieved efficient background task processing, reducing email delivery time through BullMQ and Redis queues for managing tasks like profile picture uploads and email notifications.
– Enabled profile picture uploads and email notifications using Nodemailer and used Git as version control and CI/CD .

Ecommerce Application   🐙 **Github**
Technologies: React.js, TypeScript, Express.js, Prisma ORM, Postgres SQL, Node.js, Redis, BullMQ

– Implemented secure JWT cookie-based authentication and middleware, strengthening application security and reducing unauthorized access attempts .
– Built a Product Catalog enabling users to browse products, add items to their cart, and complete purchases by providing a delivery address, streamlining the shopping and checkout experience
– Implemented Pagination to efficiently manage data loading, reducing server load and enhancing response times for a smoother user experience

Chat Application   🐙 **Github**
Technologies: React.js, Express.js, Node.js, Socket.io , MongoDb

– Created JsonWebToken based authentication and middleware, enhancing application security.
– Implemented real-time, delay-free messaging using WebSocket technology, allowing users to send and receive messages instantly, enhancing communication efficiency and responsiveness within the application
– Developed an Authentication Context to secure protected routes, ensuring only authorized users can access restricted content, enhancing data privacy and application security .

Achievements

– Solved 100+ problems on Leetcode, CodingNinjas and Codechef