

Seron Senapati

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SUMMARY

Software Engineering undergraduate with strong foundations in data structures, algorithms, and software engineering principles. Experienced in designing, developing, and testing scalable web applications using Java and JavaScript. Proven ability to collaborate in team environments, learn new technologies quickly, and build reliable, production-ready systems. Actively seeking Software Engineering Internship opportunities to solve real-world problems at scale.

EDUCATION

- ITER, Siksha 'O' Anusandhan University B.Tech CSE | 2023 – Present | CGPA: 8.53
- EMAA ISFR (CHSE) Higher Secondary (XII) | 2020 – 2022 | Percentage: 75.2%

SKILLS

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

Computer Science: Data Structures & Algorithms, OOP , DBMS , CN , RESTful Design

Backend: Node.js , Express.js , REST APIs

Frontend: HTML5 , CSS3 , React.js , Bootstrap , Tailwind CSS

Database: MongoDB , MySQL

Tools & Platforms: Git , GitHub , Vercel , Render , Netlify , Postman , Cloudinary , Mapbox , Joi

PROJECTS

PLACIFY – Recruitment & Placement Platform

- Designed and implemented a scalable recruitment platform using Node.js, Express, and MongoDB, supporting role-based access for Students, Recruiters, and Admins.
- Built 30+ REST APIs with JWT authentication, rate limiting, and input validation to ensure secure and reliable access.
- Optimized database queries and indexing, improving application response time by ~40% for datasets exceeding 10,000 records.
- Developed modular React (Vite) frontend with reusable components, improving maintainability and reducing code duplication.

STAYLO – Vacation Rental Platform

- Designed and implemented a vacation rental platform using Node.js, Express, and MongoDB, enabling users to browse properties, manage bookings, and view reviews.
- Built multiple RESTful APIs for listings, reviews, and bookings with robust validation to ensure data integrity, reliability, and secure data handling.
- Implemented secure authentication and session management using Passport.js, connect-mongo, and Joi validation to protect user data.
- Integrated Cloudinary for image uploads and Mapbox SDK for location-based property visualization, enhancing usability and user experience.

MONKEYPASTE – Real-Time Paste Sharing Web Application

- Designed and implemented a scalable pastebin service using React, TypeScript, and Supabase PostgreSQL with unique 6-digit access codes for anonymous text sharing.
- Built secure APIs with Row Level Security policies and collision-resistant code generation, ensuring reliable private text sharing without user accounts required.
- Optimized database queries with indexed lookups and React Query caching, improving response time by 60% for instant paste retrieval operations.
- Developed responsive UI with shadcn/ui components and custom animations, enhancing user experience across devices with 100% accessibility compliance achieved.

EXPERIENCE

Teaching Assistant Intern - JAINEMO PRIVATE LIMITED

Aug 2025 – Nov 2025

- Mentored students in Java and Data Structures & Algorithms, assisted with debugging and problem-solving, and supported instructors in designing practice problems and evaluations.