Raj Srimann K

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EDUCATION

SNS COLLEGE OF TECHNOLOGY
BE in Computer Science
Expected Jun 2026 | CGPA:8.19/10.0

BVB MATRIC HR SEC SCHOOL
Computer Science: 88%
Grad. May 2022 | Cum Per: 79

LINKS

Github: github.com/rajsrimann15
LinkedIn: linkedin.com/in/raj-srimann
Leetcode:leetcode.com/u/rajsrimann15
(overall 200+ problems)

SKILLS

PROGRAMMING
Experienced:
Java • C •JavaScript
Familiar:
Python

TOOLS/APPLICATIONS
Visual Studio • Eclipse

TECHNOLOGIES/FRAMEWORK
Node.Js •Express.Js•React.Js •MongoDB
Git •GitHub

COURSEWORK

SOFTWARE
Data Structures And Algorithm
Operating System
Database Management System
Computer Networks
Azure Fundamentals

INTERESTS

TECHNICAL
Scripting •DevOps
•Problem-Solving
NON-TECHNICAL
Video Editor •Graphic
Designer•Networking

PROJECTS

AUTOMATED COMPLAINT NOTIFIER | LIVE LINK
(AI Enhanced)
React.Js | Express.JS | MongoDB
Generating Image Descriptions
- Created a system to convert Traditional complaint methods to where users take pictures of issues, which are processed into detailed descriptions to raise complaints to the respective departments automatically.

Google Cloud Storage
- Images are stored in **Google Cloud Storage**, improving **Image Storing efficiency by 35%** .

Location Enabled with Geocoding API
- Used **Google Geocoding API** to ensure approximate complaint **location data**, improving mapping accuracy and enabling better resolution by appropriate authorities.

Backend Complaint Management with Express.js
- Built backend services with Express.js to handle CRUD operations for complaint registration.Optimized MongoDB **to manage over 20,000 user interactions**, improving data retrieval speed.

Firebase Phone Authentication for Security
- Implemented dual-layer security with Firebase Phone Authentication, safeguarding user data and enhancing trust through strong **two-factor authentication**.

Enhanced User Dashboard for Complaint Tracking
- Developed a personal dashboard allowing users to view **complaint status updates**, providing transparency and engagement in the resolution process.

Automated Complaint Routing via Admin Panel
- Constructed an admin panel that automatically routes **complaints to relevant authorities based on zone**, streamlining communication and resolution efficiency.

Deployment with Google Kubernetes Engine (GKE)
- Deployed the server in Google Kubernetes Engine (GKE), ensuring high availability, while reducing **deployment time by 60%** and allowing the app to **scale to support up to 20,000** concurrent users without downtime.

WORKS

- Implemented backend service with **Express.JS** for a goods transporting app to handle CRUD operations. Data stored in **MongoDB** to handle over 28,000 user interactions, enabling personalized experiences that **improved user retention rates by 35%.**
- Built a Portfolio website for an Educational Consultancy with **HTML, CSS**(Bootstrap) **and JavaScript**.Integrated **SMTP** service using **Nodemailer**.

ACHIEVEMENTS

2023   Runner   Query Premiere League