Aditya Singh

✉ adityasingh.devx@gmail.com | ☎ +91 9654535882 | 🔗 linkedin://adisingh | ⭘ github://adisingh

Technical Skills

- **Programming Languages**: JavaScript, C++, PHP
- **Backend**: Node.js, Express.js, EJS template engine, MVC architecture, Git/GitHub, Tortoise Subversion (SVN), Burp Suite, SQLMap (familiar)
- **Database**: MySQL, MariaDB, MongoDB (familiar), MongoDB-Atlas
- **Frontend**: CSS3 responsive design, Tailwind CSS, ReactJS, JQuery
- **API Testing Tools**: Postman, ThunderClient

Work Experience

Web Developer, MarinePALS   **Oct 2024 - Present**

Digital Learning Management System for seafarers | php, javascript, mysql, node.js

- Reduced manual file processing time by around **40%** by implementing an automation script for user data processing pipeline. The script formatted a csv file by removing unwanted characters via regex and swaps incorrect column data
- Developed API endpoints for an assessment module, enabling user retrieval based on enrolment date ranges and integrated bearer tokens for secure access. Built frontend components for user registration, login, and OTP verification with countdown timer by consuming predefined Rest APIs
- Optimized development efforts, saving **20 minutes** per task to separate inline CSS and JS from code files by designing a NodeJS automation script, resolving content security policy violations. Figured out advance approaches to fix CSP issues using in browser APIs like MutationObserver and various debugging techniques
- Performed code fixes for SQL injection by sanitizing and validating string and integer inputs thereby securing APIs. Tested the fixes using SQL Map command line utility
- Designed a responsive UI for filtering user data by integrating select2 library and embedding predefined APIs to handle multiple dropdown filters

Web Developer, Innovative logic labs   **Jan 2023 - Oct 2024**

Digital Learning Management System for onboard staff | php, javascript, mysql, node.js

- Developed APIs to activate a vessel through activation code and simultaneously fetch server data like CDN server details and Clone server details for asset storage and data transfer
- Automated video categorization, writing a PHP script to classify HLS-encrypted video files into course categories, reducing manual sorting effort by **80%**
- Engineered a cloud-based API using MVC architecture to log scheduled pings from vessel application, ensuring real-time monitoring of last online status
- Integrated a download and upload feature for application logs via Amazon S3 server, allowing admins to analyze performance and application errors for a date range

Projects

Blog-Dekho- web app to auto generate blogs using AI APIs | JS, node.js, express.js, mysql, ejs, css   ⭘:Blog-Dekho

- Integrated Google-Generative AI gemini-flash model v2.0 to generate blog relevant text content like title, excerpt, description
- Integrated Flux.1[Schnell] Free model to generate blog images from a prompt entered by the user
- A blog creation app that automates blog creation by consuming AI powered APIs and schedule the blog upload using Cron Job
- Cut down manual content writing efforts by ∼**30 min** by Integrating a tool to auto-generate the blog along with images
- CRUD operations to manage blog including file Upload on Cloudinary server for user avatar
- Displays real time progress updates for blog creation process using Server Sent Events and in browser EventSource API
- In memory Cron job to schedule the blog post
- Contains session based user authentication and authorization in conjunction with JWT token using http only cookie

Education

SRM Institute of Science and Technology | B.Tech in Computer Science and Engineering   **June 2018 - May 2022**

- **Programming Coursework:** Algorithm Design and Analysis, Data Structures, DBMS, Computer Networks, Computational Logic, OS Certification: Intro to web development