



Saarthak Maini

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Skills

- Python
- Flask
- Django
- Redis
- JavaScript
- Java
- Excel
- FastAPI
- Node Js
- System Design
- MongoDB
- HTML
- CSS
- Bash
- Kafka
- Git and Github
- React
- TypeScript
- CI/CD
- JQuery
- Docker
- Golang
- Linux
- Postman
- Mathematics
- SQL/Database Concepts
- AWS
- Node Js

Projects

- **Customer Relationship Management System**: This CRM is made with MERN stack along with Kafka as the message broker to implement Pub Sub model. It has google authentication followed by data validation at producer side, and handling of APIs at consumer side.
- **Influencer Engagement and Sponsorship Coordination Platform**: Made with Python, Flask, Jinja2, and SQL with RBAC, authentication, admin dashboard with analytical graphs using Chartjs, and core management functionality
- **Road Network Design using Kruskal's Algorithm** : This is a project which determines the best configuration to define a Road Network Design using the Minimum Spanning Tree Concept
- **DeskDynamo** : The DeskDynamo App is a robust desktop application built with HTML, CSS, and JavaScript which helps with Time and Task Management for better productivity and efficiency
- **Web Scraper TimesJob** : In this project, jobs from timesjobs.com are being scraped and desired details such as Company Name, Link of Job Post, and Location of Jobs are displayed
- **Hotel Management System** : The Hotel Management System helps us in dealing with data regarding customers, employees, bookings and generating bills. It also provides User Role Based Access feature to the admin to control User Permissions.
- **Disk Scheduling Algorithm Simulator** : This project aims to simulate and perform a comparative analysis of the various Disk Scheduling Algorithms available.

Work Experience

Crib - SDE Intern (Backend)

Golang, Python, Django, MySQL, Jenkins, New Relic, Elastic, AWS, Git and Github, REST API

- Made over 80 Pull Requests
- Custom Label Feature at Property Level
- Generic Custom Label Feature implemented with Generic Foreign Keys
- Integration of Application with Slack
- Designing and Implementing APIs
- Analytics and Filters
- Dealing with Whatsapp and SMS notifications via Application
- Creation and Sending of Payment Links
- Worked in Teams Remotely
- Worked with multiple teams
- Solved Multiple QA bugs
- Agile Methodology fulfilling Sprint Targets every week
- Observability and Monitoring on New Relic

IIT Madras - Head Of Web Operations Intern

- Worked on MongoDB, Express, Node js, Git and Github, and React to maintain and update the IIT Madras Online Bachelor of Science Degree website
- Held Meetings with various houses which comprise of a group of students in the IIT Madras BS Degree, and catering to their requirements, to update the website regarding announcements, events, etc.

Technical and Community Engagement

- [Postman Fundamental Student Expert](#)
- Microsoft Learn Student Ambassador
- Linux Foundation LiFT Scholar
- DevOps and Content Creation Team: GrowInComm
- Core Team Member : CloudOps Community
- Part of IIIT Training and Placement Cell Student Team

About Me

- Strengths in Backend, Database Concepts and Web Development along with DevOps Technologies.
- Heavily involved in the world of Open Source Communities and have documented all of my work
- Good communication, presentation, collaboration and public speaking skills.
- I am hardworking, try to get the work done efficiently and can adapt quickly to new technology
- I aspire to grow my technical skills further, learn and collaborate with other people
- Like to travel to new locations to gain life experience

Soft Skills

Spoken in Open Source Virtual Conferences

- [Conference 1 : EddieCon 0.2 Unconference](#)
- [Conference 2 : Making Open Source Contributions Like A Pro](#)
- Team Worker
- Good Communicator
- Good Presentation Skills
- Good Public Speaking Skills
- [Spoken in Twitter Spaces with more than 500 Attendees on multiple occasions](#)
- [Took an Offline Session on Open Source and Rest APIs](#)

Testimonials

- [Testimonial by Vedant Vyawahare](#)
- [Testimonial by Kunal Kumar](#)
- [Testimonial by Scoutflo](#)
- [Testimonial by Vaibhav Maurya](#)

Education

Bachelor Of Science in Data Science and Applications
Indian Institute Of Technology, Madras

Bachelor Of Technology - Computer Science (2021 - 2025)
Jaypee Institute of Information and Technology, Noida

Open Source Contributions

- [Contributed to Postgres JDBC Driver](#)
- [Contributed to GitHub-Automation-scripts repository](#)
- [Contributed to mail-bridge repository](#)
- [Contributed to syllabusx-client repository](#)
- [Contributed to jenkinsci/gerrit-trigger-plugin repository](#)
- [Contributed to jaegertracing/jaeger repository](#)
- [Contributed to Learn-Quest repository](#)

Accomplishments

- [Received Scholarship To Attend Kubecon + CloudNative Fdn Europe 2023 Virtually](#)
- Earned First Income in Freshman Year Of College by Freelancing
- [Paper #1571029151](#) ('Smart Contract Vulnerabilities Detection using Deep Learning') for IC3 2024 accepted for presentation in the conference. This was a group project and was conducted under Dr Mukta Goyal
- Class X : 95.6% Received Full Tuition Fee Waiver for class XI
- Class XII : 94.2%
- JEE Mains : 93 %ile

Languages

- English : Proficient
- Hindi: Proficient
- French: Working Knowledge