

Karandeep Singh

SOFTWARE ENGINEER

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[LinkedIn-in](#)

[GitHub-](#)

[Portfolio-](#)

[Codechef-3*](#)

[Kdsinghcoder.github.io](#)

Education

COMPUTER SCIENCE AND ENGINEERING | BATCH OF 2023 VELLORE INSITUTE OF TECHNOLOGY | VELLORE

- Current CGPA: 8.76

CISE | DESOUZA'S SCHOOL | ROURKELA

- ISC->score: 82.6% , ICSE->score:87.8 | (PCM+CS)

Experience

SDE INTERN AT HYPERVERGE | DEC 2022 – CURRENT

Worked on Hyperstart CLM, an AI-powered Contract Lifecycle Management solution for companies/lawyers which improved team efficiency by automating legal document extraction and providing a comprehensive set of features for contract creation, maintenance, and negotiations.

- Solved an long pending issue of recurring frontend bugs by **writing and deploying (CI/CD) a frontend testing solution** using playwright for HyperVerge CLM tool, also developed guidelines around it, and taught team members how to write test cases fast using codegen tool.
- **Created usage based recurring payment system** for CLM tool using **stripe**, added constrains for resource access based on payment status, tier, trial, usage etc.
- Successfully **resolved a challenging task that initially seemed impossible**: achieving **precise word-like formatting in a text editor throughout the process of importing, editing, and exporting** final documents. None of the available rich-text editors were capable of achieving this, necessitating the development of a workaround solution.
 - I accomplished this by using an archived MS. Lib, **OpenXMLPowerertools**, which required modifications to handle edge cases. This was particularly challenging as it was written using **dotnet as a framework and C#** as programming language.
 - Developed complex pre-processing code for the export phase, ensuring compatibility between the exported HTML and XML formatting to preserve all formatting elements such as margins, tab spaces, colors, highlights, bold/italic styles, etc.
 - Conducted extensive research and single-handedly implemented all aspects of contract creation and template development flows.

Projects

DOCSTREME

- DocStream is an alternative to Google docs it allows users to host their documents, access from anywhere and team mates to collaborate in real time.
- Uses socket.io to setup communication between client and server.
- Document can be hosted in just two steps, increasing the user experience.
- All data gets encrypted to provide users privacy no name email or identification required to get started.

GIT-CLI

- CLI tool to update repositories of an organization whose packages are outdated.
- CLI creation using commander.js, CSV file parsing for input feed.
- GitHub API handling using Octokit.js , involves flow synchronization of new branch creation, fetching file, modify it locally, commit and generate pull request.

Skills

LANGUAGES

JavaScript | TypeScript | c++ | c | python | java

DATABASES

MongoDB | MySQL

FRAMEWORKS

Express | React | Bootstrap | Tailwind

OTHERS

NodeJS | AWS CI/CD Pipeline | S3 | Amazon SQS | Postman | Git | Github | Jira | Socket.io | Kibana

GET BUS – MOVIE TICKET

One of the multiple projects build during hyperverge boot camp. , designed to increase dev skills in interns.

- Clone of the famous online bus booking portal, RedBus, built in under 2 days. This included implementing dynamic pricing for bus routes, a **payment system**, invoice generation, and selecting relevant seats.
- Had to pick a random co-intern's code for "Get Bus" and modify it to a movie ticket booking system in just one day, which involved changing the layout to theater settings. Additionally, had to ensure that poster images were secure and un-downloadable, and **integrated S3** buckets for storing images.
- Configured and set up the **ELK Stack (Elasticsearch, Logstash, and Kibana)** for centralized logging and log analysis.
- **Dockerized the app**, hosted it, and accessed the long file generated using **Docker volume** in real-time in order to feed it into Kibana for visualization.

Accomplishments

#>Rs. 1 Lakh+ Overall bounty from various hackathons.

DACKATHON | 2ND RUNNER UP. \$1000 PRIZE

CODE-ISION | 2ND RUNNER UP. RS. 30,000

BEST BEGINNER HACK | HACK OFF V3.0 BY MLH

#>Open Source Contributions

SECURED FIFTH SPOT IN MEXILI WINTER OF CODE | BY MEXILI | WHILE CONTRIBUTING TO **UNIAUTH**

SHORTLISTED FOR EDUCATION OUTREACH SCHOLARSHIP

| BY GIRLSSCRIPT FOUNDATION