Ayush Satyam

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EDUCATION

SMVD UNIVERSITY
B.tech in Computer Science
2019-2023
CGPA - 8.59

UNDERGRADUATE COURSEWORK
Database management
Operating Systems
Object-oriented Programming
Computer Networks
Artificial Intelligence
Cloud computing

SKILLS

TOOLS | FRAMEWORKS | LANGUAGES

• Golang, • Python, • SQL, • NoSQL, • MongoDB, • Kubernetes, • Openshift, • Javascript,• Typescript, • Next.js, • HTML,• CSS, • React,• Redux, • react-query,
• MySQL, • Postgres,• Kafka,• Jenkins, • GitHub-actions, • ArgoCD, • Gitops, • Firebase,
• cobra-cli, • Redis KV store, • Redis pub-sub, • Postman,• Heroku, • Docker,

OPEN SOURCE CONTRIBUTIONS

• Complete Revamp of **EOS-Icons** Project

• Making V1 of the **SPAship** dashboard

• Active community member in **Shipwright** Project

ACHIEVEMENTS

• ACM ICPC 2020 Regionalist

• SIH 2020Winner (Internal)

• Codechef - 4 star (1835 Max.)

• Global Rank 114 in December Challenge 2020 Division 2

• Codeforces round 713 Div 3 Rank 970 out of 18,000 participants

EXPERIENCE

RED HAT | Associate Software Engineer
July 2023 - Present | Bangalore, India
- Led & Mentored a group of 10 interns to develop a Jenkins-to-**Tekton** migration CLI tool.
- Led automation pipelines for **Openshift Jenkins plugin**.
- Contributed to Openshift builds, pipeline integrations (source-to-image) and **Shipwright**'s GA release.

RED HAT | Software Engineering Intern
Nov 2022 – May 2023

- **Reduced** SPA **deployment time** by a **factor of 10** for **SPAship**
- Shipped Dashboard component for **SPAship**
- Refactored multiple services of **One-platform** for migrating them to **Backstage** internal developer platform and reduce the gateway response time **from 3 seconds to 200ms**

GOOGLE SUMMER OF CODE | Student developer
Jun 2022 – Oct 2022
- Complete Migration of the **eos-icons** website to Next.js and Typescript
- Integrating Algolia to improve search functionality
- Implementing unit, integration, and E2E testing using Jest, react-testing-library, and Cypress.js

PRAVEGAK TECH. | Software developer intern
May 2021 – July 2021
- Migrated Backend of **Skribo(100k+ downloads)** to Node.js and implemented sockets to manage real-time interactions
- Implemented 1-1 and group audio chat and messaging in the **Plutus(100k+ downloads)** social media app along with admin dashboard in React

PROJECTS

OPUS | Github link
- An esoteric programming language that lets you write code with musical instruments
- Every piece is an actual **musical piece** as well as compilable code
- It's an interpreter written in golang which can detect live midi audio format and compile it

GITPOT | Github link
- A toy version of Git implemented in golang using Cobra CLI
- Commands like **add**, **commit**, **status**, **branch** and **checkout** work similarly as git

FILESTORE | Github link
- A fileserver written in golang that comes with a dedicated CLI
- multiple commands like **add**, **ls**, **rm**, word-**count** etc. supported

TWITTER BOT | Github link
- A discord bot that sends and fetches Twitter DMs directly from discord in real-time.