

# SHIV SHARMA

shivsharmavictory@gmail.com | +918887588743 | Kanpur, Uttar Pradesh

[Linkedin](#) | [GitHub](#) | [HackerRank](#) | [Portfolio](#) | [CodeChef](#)

## EDUCATION

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### HARCOURT BUTLER TECHNICAL UNIVERSITY

Bachelors Chemical Technology

Kanpur, Uttar Pradesh

Aug 2017 - Jun 2021

## EXPERIENCE

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### Zeeve | Software Engineer

Remote | Sep 2021 - Present

- Revamped and engineered indexers for public blockchains, facilitating efficient storage and retrieval of blockchain data for users.
- **System Design Process:** Conducted in-depth research and development of the product → Deployed and operated a Blockchain Node → Orchestrated the creation and management of AWS RDS, employing optimized schema design and indexed column configuration → Developed robust Indexer to extract valuable data from the blockchain → Constructed APIs, ensuring well-defined endpoints and schema design → Deployed the Indexer, GraphQL Server, and Ledger APIs, implementing a seamless CI-CD Pipeline → Authored comprehensive Swagger Docs for APIs → Conducted rigorous testing and executed successful product launches across multiple environments (development, staging, and production).
- Managed the entire product design and communication protocol for service integration.

### Cognizant | Intern

Remote | Jan 2021 - Jul 2021

- Worked with a team of six members and build a Resume Builder using ASP.NET MVC Technology.
- I have developed the Controller Part of the application with their views and Integrated it with the SQL Server using Entity Framework. The application was used by all internship trainees of my batch (2021).

## SKILLS

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Programming Languages: Javascript(Proficient), C++ (Proficient), Typescript, SQL, C(Extended)

Libraries/Frameworks: NodeJs, React, Express, GraphQL, ASP.Net, Kafka, Swagger, Subql

Tools / Platforms: Docker, Pm2, Git, Aws (EC2, Lambda, API Gateway), Nginx, Postman, Libuv

Databases: MySql, PostgreSQL, MongoDB (Mongoose), Redis (Cache), RDS

## PROJECTS / OPEN-SOURCE

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### Url Feeder Service | [Link](#)

*NodeJs, Express, Kafka, Docker, Nginx, MongoDB, Redis, Mysql*

- A URL feeder service that takes an URL stores it in the MySQL database, and publishes various types of topics into Kafka based on the url's content type; these topics are later subscribed to by different services, and the service extracts the url's metadata and stores it in the MongoDB database, then parses all the URLs present in the page to send back to the URL feeder service. Nginx is used for proxy purposes.
- The URL feeder service checks to see if a URL has already been processed; for this, I used Redis caching.
- All services are Dockerized in order to improve communication within a single Docker network.

### Virtual Classroom | [Link](#)

*NodeJs, Express, Jwt, Aws, MongoDB, Mongoose*

- I created a rest API for remote classroom purposes where teachers can create the assignments for the students and students can submit their assignments. For authentication purposes, JWT is used.
- Teachers can view the status of all assignments on their dashboards on the filter "Scheduled and Ongoing," and students can view all assignments on their dashboard on the filter "Submitted, Pending, and Overdue." Assignments can only be created, updated, and deleted by the teacher.

## HONORS & AWARDS

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- Secured 177 and 1790 global ranks on CodeChef in September and August Long Challenges 2020.
- Honored by R. K. Trivedi (Head of the Oil Technologist Association of India) for creating a whole main website for the organization, which is used by 10k+ Oil Technologists across India.
- Won 2 coding competitions organized by college coding in the first year of my college.
- Participated in open source contribution events such as Hacktoberfest and NJACK Winter Of Code.