



7018959058

# Ayush Katoch

Full Stack Developer and DevOps  
Enthusiast

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## PROFILE

3<sup>rd</sup> Year B.Tech student. Gained valuable experience as a 6 months intern at W3Dev and achieved the position of First Runner up in Bharat Tech Experience Hackathon and Hack KRMU 2.0.

## EDUCATION

August 2021 – May 2025

**B.E CSE AIML**

Chandigarh University,  
Chandigarh, Punjab

## SKILLS

- MERN Stack
- Prometheus and grafana
- Elasticsearch and kibana
- RabbitMQ
- JWT AND Web Sockets
- Javascript
- NGINX
- Prisma and drizzle ORM
- Puppeteer and playwright
- AWS
- Serverless Stack and Axiom

## PROFESSIONAL EXPERIENCE

June 2023 – December 2023

**Full Stack Javascript Developer Intern**

W3Dev, Work from Home

- Worked on multiple(5) versatile and resourceful projects.
- Hands on experience on technologies like discordjs, Prometheus and Grafana, neonjs, playwright, drizzle and prisma ORM, puppeteer
- Worked on serverless stack sst.dev
- Worked on docker containerization and aws services like s3 bucket and lambda functions
- Worked on axiom technology for the log storage and display for any deployed project

June 2022 – July 2022

**Trainee and Student**

Survey of India, National Informatics Centre, Dehradun, Uttarakhand

- Collaborated with a team of developers to contribute to the design, development, and maintenance of web-based applications for government projects.
- Participated in the development of responsive and user-friendly web interfaces using modern web technologies such as HTML, CSS, and JavaScript.

## INDUSTRY COURSES:

**Epic React**

**Intermediate and Advanced React Courses**

Jan 2023 – April 2023

<https://epicreact.dev/>

**Learn Node**

**Intermediate and Advanced Node Courses**

Jan 2023 – April 2023

<https://learnnode.com/>

## PROJECTS:

### FileX - The Document Search Engine Superhero

- Implemented Node.js for the server-side and EJS templates for the UI, creating a dynamic and responsive web application.
- Utilized Elastic Search as the database to provide fast and efficient document searching capabilities.
- Used Kibana for database visualization and search analytics, enabling data-driven insights and monitoring.
- Created a Docker file to package the application and its dependencies, allowing for easy deployment and scalability across different environments.
- Integrated Apache Tika, a content analysis toolkit, to extract text from various document formats by sending POST requests to its API. This enhanced the search functionality and made the application versatile.

### Discord Recording and Reminder Bot

- **Integration Tools:** Developed a discord reminder and recording bot using discordjs and discords/voice
- **Voice handling:** Implemented opus encoder and ffmpeg
- **Storage:** S3 bucket for storage of the recordings
- **Database:**
  1. Postgres database for storing the information of files for recording
  2. Prisma ORM as database client

### Spider Web Scraper – Serverless and Serverful Integration

- **Structure:**
  - 1., one is for the scrapping part in serverless stack using sst rest api.
  2. Developed the database system in express node application
- **Database:**  
Drizzle ORM as the database client and Neonjs as database
- Scraped data as vector embeddings using Transformers.js
- **Monitoring Systems:** Prometheus and Grafana for monitoring of events

### Achievements:

- 2<sup>nd</sup> at Bharat Tech Hackathon organized by SVIET in October 2023.
- 1st runner-up of Hack KRMU 2.0 organized by KR Mangalam University.
- National Level Winner of INSPIRE Program and attended the International Sakura Science Exchange Program in Tokyo, Japan.
- State Level Quiz winner in Children Science Congress middle school category.