

# Mukul Gour

Pune, Maharashtra

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[linkdin](#)

[github](#)

[Portfolio](#)

**Full Stack & AI developer** with over 3 years of hands-on experience in designing and developing robust web applications . Adept at both frontend and backend development. Proven ability to collaborate effectively in cross-functional teams, ensuring the delivery of high-quality software solutions. Passionate about staying updated with the latest industry trends and technologies.

## SKILLS

- |              |                  |             |             |
|--------------|------------------|-------------|-------------|
| - Javascript | - GIT            | - Socket.io | - Strapi    |
| - React.js   | - Message Queues | - HTML      | - Node.js   |
| - Express.js | - DBMS           | - CSS       | - Rest APIs |
| - REDIS      | - Python         | - AI / ML   | - NLP       |

## EXPERIENCE

### CDAC Pune, (AAI & GIST)

**Oct 2021 - Present**

#### Project Engineer

*Pune, (Raj.)*

- Built a user-friendly dashboard for web crawler management, providing real-time insights into crawling activities and system status.
- Designed and implemented RESTful APIs using Strapi, facilitating seamless communication between front-end and back-end systems.
- Established a message queue system to enable distributed processing of tasks within the application.
- Built rule-based and AI based intelligent modules.

### Forsk Technologies

**Apr 2019 - Aug 2019**

#### Internship

*Jaipur, (Raj.)*

- Built XG-boost ML algo based World fragile Index model and flask based UI.
- CNN based Diabetic retinopathy detection model.

## PROJECTS

### **Web Crawler Manager, CDAC** | [React.js](#), [Socket.io](#), [Strapi](#), [PostgreSQL](#)

**June 2022 - Ongoing**

- Designed and implemented a robust Integrated Web Crawler Management System, demonstrating expertise in full-stack development.
- Automated web crawling processes, including scraping and segmentation, and built over 100 plus APIs using Strapi for efficient data storage. Integrated email services to deliver real-time notifications for system events.
- Developed a responsive React dashboard with WebSocket for live data updates, empowering users to control actions such as start, pause, resume, and stop for specific websites.
- Achieved seamless communication between the frontend and backend, enhancing the efficiency of web crawling activities.

### **Crawling Engine, CDAC** | [Node.js](#)

**July 2023 - Aug 2023**

- An advanced web crawling engine designed to systematically explore websites, extract valuable information. This innovative project emphasises efficiency, scalability, and ethical crawling practices, offering a targeted approach to

data collection from a predefined set of known pages.

- Successfully extracted webpage content and metadata, providing a rich dataset that includes text, images, metadata tags and other relevant information.
- Enforced ethical crawling practices by incorporating robots.txt compliance. The engine intelligently avoids crawling pages specified in the robots.txt file, demonstrating a commitment to responsible data collection.

### **NLP Modules , CDAC | Python, Javascript**

**Aug 2023 - Ongoing**

- Script detection ,language detection and Rule-based multilingual segmenter using Javascript,
- Eng-local transformer based translation models.
- Bi-LSTM + attention based eng-local transliteration models.
- Bert -based NER & POS models for Indian languages.

## **EDUCATION**

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### **CDAC-ACTS**

*PG-DAC*

**may 2021- Oct 2021**

*Pune(Mah.)*

### **JECRC College**

*Information Technology*

**Aug 2016-Nov 2020**

*Jaipur, (Raj.)*

### **Central Academy Shikshantar**

*PCM*

**2001-2016**

*Kota, (Raj.)*