

Rohan Singh Chauhan

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EDUCATION

The LNM Institute of Information Technology Jaipur, India
Bachelors of Technology in Computer Science and Engineering

Jul 2019 - Jun 2023

EXPERIENCE

Tata 1mg Healthcare Pvt. Ltd.

Software Development Engineer, Full time

June 2023 - May 2024

Gurgaon, Haryana

- Engaged in Agile sprints, developing backend solutions for efficient web applications at a steady pace.
- Utilized Python Sanic async framework to craft robust backend services, ensuring optimal performance.
- Managed PostgreSQL and MongoDB databases for seamless data handling and retrieval, enhancing overall system efficiency.
- Collaborated closely with cross-functional teams, including frontend developers and product managers, to deliver timely and high-quality software solutions.
- Developed unit test cases for more than 4 backend services.
- Implemented message pipelines for inter-service communication using Kafka and SQS

Tata 1mg Healthcare Pvt. Ltd.

Software Development Internship, Internship

Jan 2023 - June 2023

Gurgaon, Haryana

- Successfully reformatted Python code according to the guidelines of more than 7 Code Quality Assurance tools used by major organizations for Quality Python Code
- Implemented CI pipeline over more than 8 Backend services, pipeline hosted over bitbucket, with integration of the above tools in each pipeline.
- Implemented CD Pipeline hosted on Devtron and QA job on Jenkins for more than 8 services, along with two other interns.
- Optimised the CI pipeline runtime from 4 minutes to 1 minute per build which saved in numbers a sum of INR 1 lakh annually

National Ilan University, Taiwan

Research intern, Internship

June 2022 - Aug 2022

Yilan County, Taiwan

- Conducted research to come up with a solution for the given problem of classifying images of spot laser nickel welds on batteries used in the university laboratory.
- Extracted a dataset of more than 800 images from the given crude images using OpenCV and MATLAB.
- Trained a Convolutional Neural Network on the dataset created and achieved a test accuracy of 94.18 per cent.

PROJECTS

Cash Management System (Hackathon Winner)

Oct 2023 - Oct 2023

- User-friendly interface for operators to input orders and track rider balances in real-time, reducing the occurrence of fraud and scams by delivery riders.
- System facilitates efficient payment collection from riders, updating balances instantly.
- Automatically sends order details to operators, ensuring timely updates without manual intervention.
- Reduces instances of fraud and scams perpetrated by delivery riders through enhanced order tracking and real-time balance monitoring.

Drone Based Tracking and Navigation

March 2022 - March 2023

Dr. Saurabh Kumar, The LNM Institute of Information and Technology

- Run dronekit python and other libraries on Raspberry pi to simulate a working drone and run missions in ArduPilot Mission Planner
- Conduct simulated rescue and mapping surveys using the above mentioned tools.

ACHIEVEMENTS

Hackathon Winner, Tata 1mg Tata 1mg Hackfest organised for 3 days with more than 20 teams participating
Project: Cash Management System for Logistics hubs

Certificate of completion, Udemy Machine Learning and Data Science A-Z: Hands-on Python 2021

Runners up, Boxing Achieved silver medal, amateur boxing (middleweight division) in Desportivos 2020, The LNMIIT's national level sports festival.

TECHNICAL SKILLS

Programming languages: C++, C, Python, Java, Kotlin, Bash

Web Technologies: HTML, CSS, Kafka, REST apis, Kubernetes, Docker

ML/AI: CNNs, Numpy, Pandas, Matplotlib, Keras, Tensorflow, OpenCV

Miscellaneous: OOPs, MySQL, sqLite, Git/Github, Bash, Data Structures and Algorithms, RDBMS, Redis