

Anurag Ranjan

Python & Machine Learning Enthusiast

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EDUCATION

B.Tech. Information Technology

KIET Group Of Institution, Delhi NCR

08/2019 - 07/2023

8.14

- **Courses:** Artificial Intelligence, Data Structures & Algorithm
- **Research Paper:** [Heart Disease Prediction using ML](#)

Intermediate - PCM

Bal Bharti Senior School, Pryagraj

03/2016 - 04/2018

WORK EXPERIENCE

Software Development Engineer Intern

Healthkart

01/2023 - 07/2023

Grugram, India

[Certificate](#)

- Led an [anomaly detection project](#), leading to a **30%** reduction in API request spikes and errors.
- Successfully implemented an [Isolation Forest](#) model with an exceptional **95%** accuracy rate in anomaly detection.
- Employed [advanced data preprocessing techniques](#) to clean and optimize raw data for machine learning, ensuring high-quality input data.
- Engineered feature enhancements to significantly boost accuracy and efficiency.
- Proficiently deployed sophisticated ML models on **AWS** for real-time predictions, resulting in operational excellence.
- **Stacks:** Python, Machine Learning, Kafka, ETL, Docker, and Flask.

ACHIEVEMENTS

KIET Codechef Chapter

Managed 2 college coding events as an executive member.

Achieving a personal best rating of 1698 on Codechef

Successfully solved over 300+ problems on Leetcode

5 star C and Python on Hackerrank

TECHNICAL SKILLS

Languages: Python JavaScript Java SQL

Tools: Git Docker Kafka scikit-learn

Databases: MySQL MongoDB ElasticSearch

Frameworks: Django Node.js PyTorch

RESTful APIs OOPs Microservice Architecture

PERSONAL PROJECTS

Large Language Model Development from Scratch
(11/2023 - Present)

- Based on the idea of **ChatGPT**, developed till pre-training.
- Used **1.5 M parameters** for training on [Rabindranath Tagore dataset](#).
- Pioneered the development of a cutting-edge **Large Language Model** using Python and PyTorch.
- Implemented a state-of-the-art [Transformer architecture with multi-headed self-attention mechanism](#), showcasing prowess in deep learning, NLP.
- **Tech:** Python, PyTorch, Transformer, and large-scale datasets.

Job Automation & Data Scraping (08/2023 - 10/2023)

- **Freelance Project for** [Netlux Systems Pvt. Ltd.](#)
- Engineered a robust Python-based automation framework for efficient job listing scraping from multiple websites.
- **Selenium Integration:** Leveraged [Selenium](#) for streamlined web interaction, significantly enhancing the efficiency of job scraping.
- **Database Management:** Established and optimized a MySQL database for efficient storage and management of scraped job data and configurations.
- **Tech:** Python, Selenium, MySQL, Django.

CERTIFICATES

Distinction as a Postman API Student Expert

Established proficiency in APIs through extensive use of Postman.

Configuration Management and the Cloud

Data Structures and Performance

Introduction to Git and GitHub

Palo Alto Networks Academy Cybersecurity