

# KANAK MITTAL

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#) | [Devpost](#) | [Leetcode](#)

## EDUCATION

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**GRAPHIC ERA UNIVERSITY – Dehradun, India**  
Bachelor of Technology, Computer Science & Engineering

July 2019 - June 2023  
Cumulative GPA: 9.53/10

## WORK EXPERIENCE

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### Mobile Premier League (MPL) – Bangalore (Remote)

Data Science Intern

June 2022 – Sept 2022

- Worked on customising App's experience based on users' behaviour.
- Increased the click through rate of the featured events by 20% by developing a model that could predict the ideal order of the featured events for a particular user.
- Collected, studied, and interpreted large datasets containing millions of entries, distributed over a large network.

### SAMSUNG RESEARCH INSTITUTE BANGALORE – Remote

PRISM Research Intern

Sept 2021 – Jan 2022

- Led a team of 4 individuals researching various components of 5G Networks.
- Used Machine Learning to optimize topology management of IAB Networks in order to improve User Equipment coverage and satisfy the specified Quality of Standard.
- Communicated the findings with Samsung Mentors and worked on their Feedback.

## PROJECTS

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### DELTA DIAGNOSE (Chest MRI Classifier) – [\(GitHub\)](#)

Built Using - Python, TensorFlow, Keras, FastAPI, Streamlit

- Utilized TensorFlow to train a Convolutional Neural Network to diagnose chest MRIs for COVID-19 and Viral Pneumonia with an accuracy of 99%.
- Used Quantization Technique to reduce the Trained Model size from 30.1 MB to 2.41 MB.
- To utilize the model, developed an API using FastAPI with a request serving time of less than 1 second and deployed it on [Heroku](#).

### DETECTIVE DISCORD – [\(Demo Video\)](#)

Built Using - Python, Discord.py, SQLite

- Devised a Discord bot that can detect and eliminate Nitro Scam Links in real-time to protect other users.
- Using SQLite, details of such users are recorded in a database, and they are immediately banned after three such incidences.
- Currently protecting over 10000 users worldwide.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, C++, JavaScript, Scala

**Databases:** MySQL, MongoDB

**Tools and Frameworks:** PySpark, Git, Docker, Kubernetes, Hadoop, Flask, FastAPI, Node.js, PHP, TensorFlow, Azure

## ACHIEVEMENTS

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- **First Overall at “A Hack A Day” Hackathon** – Virtually collaborating on a team of 3 and competing with over 200 participants, designed a web-app [Deforgify](#) that can distinguish between Artificially Generated Faces and Real Faces, thus preventing malicious use of them.
- **Won over 20 international hackathons catering to using technology for creating revolutionizing products** (details on [Devpost](#) profile)
- **Secured an All-India Rank of 6988 in the GATE 2022 Exam**
- **Solved over 500 competitive programming problems so far on various platforms like [Leetcode](#) and [GFG](#)**