

# Mayank Mehra

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## EDUCATION

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### Graphic Era University

*Bachelor of Technology in Computer Science*

Dehradun

Aug. 2018 – Aug 2022

## EXPERIENCE

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### BackEnd Developer

October. 2022 – March. 2023

*Xempla*

*West Bengal, India*

- Developed a REST API microservices using FastAPI and MongoDB to store data and Process data from large facilities
- Managed high-volume data in Mongo by utilizing MongoDB's flexible document model and efficient indexing capabilities
- Created custom APIs that are tailored to meet the unique needs of each customer by working closely with clients

### Ausjournal India Cyber security intern

Jan. 2022 – March. 2022

*Ausjournal India*

*Dehradun, India*

- Studied various types of modern cybersecurity threats
- Implemented control measures to defend applications from the most common cybersecurity threats

### IoT User Experience Intern

Aug. 2021 – February. 2022

*Samsung R&D Institute India-Bangalore*

*Dehradun, India*

- Identified and reviewed the implementation of various industry-standard IoT solutions
- Implemented basic Android technology to understand the working of the Android ecosystem
- Collected outcomes of various research done in the past by Samsung and various other independent bodies and analyzed their outcome

## PROJECTS

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### E-Commerce Platform | *Django, HTML/CSS, React, Brain Tree API*

- Implemented a basic E-commerce platform using Python(Django) web framework as backend and using ReactJS to code the front end of the application.
- Application also comes with a payment interface which has been implemented using BrainTree API

### Lane Detections | *Google CoLab, Python, OpenCV, Git*

- Designed a python model with help of OpenCV library which can assist autonomous cars to determine lanes on a road, based upon lane lines
- Studied implementation of various mathematical models which can help the model to distinguish between nearby surrounding and road.

### Fake News Detection | *Google CoLab, Flask, Git*

- Python model and an assisting web framework using flask which can help the user to distinguish between fake news from real news from various online portals

## TECHNICAL SKILLS

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**Languages:** Python, C/C++, SQL (Postgres),NoSQL(Monogo DB), JavaScript, HTML/CSS, TypeScript, GraphQL

**Frameworks:** Node.js, Flask, FastAPI, Django, ReactJS

**Developer Tools:** Git, Docker

**Libraries:** React,Redux Toolkit, pandas, NumPy, Matplotlib

## CERTIFICATIONS

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Django & ReactJs

Data Analysis with Python

Data Structures & Algorithms

JavaScript

Overview of Web GIS Technology