

Mayank Mehra

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EDUCATION

Graphic Era University

Bachelor of Technology in Computer Science

Dehradun

Aug. 2018 – Aug 2022

EXPERIENCE

BackEnd Developer

Xempla

October. 2022 – March. 2023

West Bengal, India

- Developed a REST API 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

Ausjournal India

March. 2022 – September. 2022

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

Samsung R&D Institute India-Bangalore

February. 2021 – February. 2022

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

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

Languages: Python, C/C++, SQL (Postgres), NoSQL (Mongo 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

Django & ReactJs

Data Analysis with Python

Data Structures & Algorithms

JavaScript

Overview of Web GIS Technology