Mihir Mehta

Mulund, Mumbai-400080

✉ mehta.mihir2709@gmail.com   🌐 LinkedIn   🐙 Github   📱 +91 7977194182

EDUCATION

KJSCE, Vidyavihar   **Mumbai, Maharashtra**
B.Tech in Computer Engineering GPA: 9/10.0   *Expected Graduation: May 2022*

SKILLS

- Programming Languages: Java, Python, PHP, Javascript, Solidity
- Databases: MySQL, PostgreSQL
- Frameworks: Django, Flask, SpringBoot, React.js
- Software and Tools: Git, Eclipse, Jenkins

EXPERIENCE

ArconTech   **Remote**
Software Engineer Intern   *February 2021 – June 2021*

- Desktop Application for Encryption Decryption of Videos using Java
- Encrypted and Decrypted videos using AES-128 algorithm with a security key which is stored using Hashing
- Videos to be encrypted were 24 hr in time, -5Gb in size and encryption/ decryption took -1s
- Worked on two different PoCs dealing with images to video interconversion and encryption

PROJECTS

Blockchain Network in Java   *September 2021 – November 2021*

- Built a novice web-based Blockchain Network in Java using Spring Boot using OOPS concepts
- Implemented concepts like Proof-Of-Work Mining, DSA Algorithm for key generation, Digital Signatures for verifying transactions, Asymmetric key encryption, UTXO model in a centralised ledger system

ML-Based Rock Paper Scissors Detection | *Download App*   *January 2021 – April 2021*

- Python Desktop App using PyQt and tensorflow model Deployment
- Users should play the game using their webcam. They can make either of three actions: rock, paper and scissors. The computer randomly generates its own action and winner is then decided.
- Image Dataset Generation, Multiclass Classification custom CNN Model
- Improvement using Transfer Learning Approach (VGG-16 architecture), comparing accuracy and loss for these two approaches. Accuracy of 98 percent for completely deployed end-to-end project.

Driverless Vehicle Prototype   *August 2020 - February 2021*

- Head of Perception Team in student led racing team - Orion to compete at Formula Student Competitions
- Studied and Implemented RektNet, CNNs, YOLOv3 for object detection using Xbox Kinect
- Built a robust, accurate and low-latency traffic-cone detection system using ROS, C++ and Python

Peergrade FullStack Web-App | *Link*   *May 2020 - August 2020*

- Full Stack Application using Django and PostgreSQL for *peer to peer* grading among a college batch.
- Teachers can create submissions for experiment write-ups. Students can submit their assignments which will be graded by teachers and the student's own classmates
- For registration and login we used the Google OAuth2 and Django, hosted the website on Heroku

EXTRACURRICULAR

- Core Member/Leader Insignia | Lead a team of 40+ members for activities including brainstorming ideas, managing the team, designing, and executing decor within deadline
- Volunteering in the form of Driving vans and Feeding Stray Dogs at *Utkarsh Animal Foundation*
- My hobbies include watching/ reading Technical Blogs/ Videos