Ayush Majumdar

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EDUCATION

Maharashtra Institute of Technology   **Pune**
Bachelor of Computer Science & Engineering   *2019-2023*
- CGPA – 9.57/10

John Hopkins University   **Baltimore**
HEEP Student Exchange Program   *2023*

Don Bosco Senior Secondary School   **Mumbai**
- Class 12 CBSE board – 90%   2019
- Class 10 CBSE board CGPA – 10.00/10.00   2017

PUBLICATIONS

- **Comparison of Transfer Learning Techniques for Object Detection** | Springer
- **Football Match Prediction using Exploratory Analysis & Multi-Output Regression** | Springer
- **Analysis of Tweets with Emoticons for Sentiment Detection using Classification Techniques** | IEEE
- **Fabricating Super Resolution Digital Elevation Models from Low Resolution Satellite Data** | Ongoing
- **Hierarchical Wave Conditional Text Generation using CNN & CLIP Latents** | Ongoing

WORK EXPERIENCE

IDEAS - A SAS Company   **Pune**
Associate Software Development Intern   *July, 2022 - present*
- Developed an interactive event management dashboard to analyze business trends & performance of meeting & event spaces in order to maximize revenue through useful data to sell it more effectively.
- Visualized large amounts of structured data using double axes bar and line graphs, pie charts etc using JS.
- Improved & restructured the logic for an older .NET/C# application to the modern tech-stack of Angular/SpringBoot whilst making the application more efficient and robust.

LEADERSHIP EXPERIENCE

Innovators Hub, MIT WPU   **Pune**
Tech Lead   *May, 2021 - present*
- Worked closely with a team of 6 developers and designers to create the club website increasing club engagement by 200% leading to better recruitments.
- Demystified web development concepts by conducting bootcamps, directed multiple club recruitment interviews and mentored the new club recruits.
- Streamlined the development of a school funded industrial project to create a dynamic dashboard to showcase the research statistics and achievements of the School of Computer Engineering.

Hack-X, MIT WPU   **Pune**
Head of Management   *May, 2022 - present*
- Organized multiple events based on cybersecurity along with its fundraising efforts, Capture-The-Flag events, club induction for freshers as well as club recruitments.
- Worked closely with a team of 8 designers and developers to create the club identity, logo & website.

PROJECTS

- **Autonomous Vehicle Simulation Using Unity Engine & CNN**
  Trained a vehicle to drive autonomously in real time in a simulated 3D environment created in Unity by taking environment details of the track as inputs and steering angles and acceleration values as output.
- **Arogya Ekikaran**
  Conceptualized a unified dashboard for all medical records deployed on the blockchain. It acts as a digital ledger to store one's health care record and uses ML to predict pandemics and epidemics alike. The project takes into consideration the user's privacy and makes use of innovative measures.
- **SCET Dashboard**
  Worked as a Tech Lead on a college funded project to create a dashboard showcasing the university's research accomplishments using the Mongo-ReactJS-ExpressJS-NodeJS-GraphQL stack.

SKILLS & INTERESTS

Skills: Python, TypeScript, C/C++, MERN, GraphQL, SQL, MongoDB, PyTorch, Tensorflow, Computer Vision

Interests: Football, Badminton, Calligraphy, Music, Movies, Reading Books