

SMIT TRAILOKYA

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EDUCATION

Thakur College of Engineering and Technology (TCET), U of Mumbai

2018 – 2022

B.E (Computer Engineering)

CGPA: 9.7/10

Academic Achievement: Amongst Top 10% performing students in a batch of 150(approx) students

University of Illinois, Urbana-Champaign (UIUC)

2022 – 2023

Master of Computer Science (MCS)

INTERNSHIP EXPERIENCE

Software Development Intern, Mahindra & Mahindra Ltd.

Aug 2021 – Feb 2022

- Coded a chatbot for company's website using sentimental analysis techniques and as per given specifications and requirements for new features in existing chatbot ecosystem
- Constructed a database for interactive conversation (Q&A). Also enabling intelligence to incorporate query response of users in more appropriate and refined way.
- Trained under senior engineers to develop skills in understanding customer requirements, design application framework and working on app development within in decided timelines competencies
- Developed skills in NodeJS, Python, MySQL and other NLP services

AR/VR Intern, Mahindra & Mahindra Ltd.

Jun 2019 - Aug 2019

- Supported in development of highly scalable AR/VR applications designed using tools such as Unity, Blender for 3D modeling, substance painter for texturing, gaming engine for programming & 'Vuforia' for AR.
- Contributed in content creation of VR of all passenger vehicles using HTC VR (Immersive Platform) and assisted in onsite installation of VR gear at Dealers showroom.
- Trained under senior team's guidance to create 3D model & rendering on high-end workstations and also got an understanding of integrating it with Unity for VR.

KEY ACADEMIC PROJECTS

Cataract Detection Using Data Mining Techniques (Data Mining)

Aug 2021 – May 2022

- Developing a ML model with user friendly GUI to predict rate of cataract detection along with risk prediction based on input data, thereby helping patient to be treated before condition worsens
- Leveraging Data mining and ML algorithms such as Decision Tree, Naïve Bayes and Multi-Layer Perceptron to improve system accuracy and resilience. *Tech Used:* Python on jupyter notebook

Credit Card Default Detection (Deep Learning)

Aug 2021 – Nov 2021

- Built a Credit Card Detection model to identify and classify whether a customer would default or not based on various factors like age, education, marital status and his/her recent payment patterns.
- Used various ML algorithms and different evaluation metrics to test out which one of them gives the best performance followed by hyper parameter tuning. *Tech Used:* Python on jupyter notebook, Power BI tool

German Traffic Sign Detection (Machine Learning and Neural Networks)

Aug 2020 – Nov 2020

- Built a Traffic Sign Detection model to identify and classify various set of traffic sign using image recognition, ML algorithms, CNN, deep learning techniques and VGG-16 Architecture.
- Explored how deep learning can be used to identify traffic signals accurately, using a range of pre-processing & regularization methods, and evaluated various architectures. *Tech Used:* Python on jupyter notebook

COMPUTER SKILLS & INDEPENDENT STUDY

- **Programming/Scripting:** Java, C, C++, SQL, HTML5, CSS3, Python, R, PHP; **DBMS:** MySQL, MongoDB
- **Libraries/Frameworks:** TensorFlow, Keras, NodeJS, Scikit-learn, Django
- **Tools/Platforms:** Pycharm, Visual Studio Code, Jupyter, Github, AngularJS

ADDITIONAL INFORMATION

- **Independent Learning - Coursera:** Machine Learning (Stanford); Introduction to Data Science in Python (U of Michigan)(ongoing); Introduction to Scripting in Python(Rice U); Data Science in Real Life (Johns Hopkins U)
- **Leadership& Community:**
 - Extension Work Team (EWT) @ TCET (2019 – Present): Led & volunteered for social activities such as spreading awareness of IT, Women Empowerment, Population Education & Open Schooling
 - Participated in T-spark(college sports event)(Feb – 2020) and represented my department in Cricket
 - **Interests:** Soccer, Cricket, Badminton