

PROFILE

As an undergraduate with a passion for machine learning and data science, I have experience understanding and analysing data to drive growth. Provide the necessary insights, analytics, and visualisation to aid decision-making for a finance and fashion forecasting company. I worked as a teaching assistant under my supervisor during my final semester.

EDUCATION

George Mason University <ul style="list-style-type: none">M.S. in Computer ScienceGraduate Coursework: Analysis of Algorithms, Data Mining, Database Management Concepts and Systems, Software Engineering, Computer Systems.	Fairfax, VA	Aug 2022 – May 2024 (Expected)
University of Hyderabad <ul style="list-style-type: none">Int.M.Tech. in Computer Science, GPA: 3.78Graduate Coursework: Algorithms, Operating Systems, Databases, Software Engineering, Neural Networks, Pattern Recognition.	Hyderabad, India	July 2017 – Aug 2022
Intermediate <ul style="list-style-type: none">High School in Maths Physics Chemistry, Percentage: 98.3%	Hyderabad, India	July 2015 – July 2017

INDUSTRIAL EXPERIENCE

Data Science Intern <ul style="list-style-type: none">Made an Intuitive Covid19 Prediction model for India's third wave.Building Custom ETL pipelines, Optimization of Inventory Allocation and Pipelines for hyperparameter tuning of ML models on real-time dataBuild some time-series models using modern frameworks, converted data into actionable insights by predicting and modelling future outcomesI have also secured the Employee of the Month Award(April 2022) for my work in interpretability of demand forecasting algorithms.	Stylumia, Bangalore	May 2021 – June 2022
Machine Learning Intern <ul style="list-style-type: none">As an Intern, My tasks were Image Scraping, Model building, and Model tuning for object detection(Yolo) in Fashion Domain to yield good mAP and accuracy.I have also researched cost-effective ways of deploying multiple models on the web and suggested them on AWS.	Grroom, Bombay	October 2020 - December 2020
Intern <ul style="list-style-type: none">Using Random forests and SVM, I created a machine-learning model to predict whether the price will rise or fall.Learned about financial statistics, Markov chains, portfolio optimization etc.	CMI, Chennai	May 2019 - June 2019

SKILLS

- Hard Skills:** C, Python, R, ReactJS, JavaScript, MySQL, Java, MongoDB, Power BI, Tableau, TensorFlow, Flask, Git
- Soft Skills:** Leadership, Problem-Solving, Time Management

RESEARCH EXPERIENCE

One Class Classifiers and IoT GANs <ul style="list-style-type: none">My final year thesis includes building a GAN which can generate new attacks which are not yet known.Along with that, I have designed a One Class Classifier which detects the new synthesized attacks.	UoH, Hyderabad	August 2021 - August 2022
Pen Ink Differentiation using CNN <ul style="list-style-type: none">Built a state-of-the-art CNN model(siamese network) to solve the fraud detection problem in Handwriting Forgery.	IDRBT, Hyderabad	November 2020 - April 2021

PERSONAL PROJECTS

- Online Video Streaming** Using LAMP Stack, I created an online video streaming website where the admin may add videos to be seen by users. MySQL stores all user and video information.

- **Try Every ML Algorithm** A Playground where you may experiment with various machine learning algorithms on a given dataset by tinkering with its hyper-parameters until you get bored.
- **Twitter Data Sentiment Analysis** COVID19 Twitter Data Analysis, Indian Sentiment Analysis Using Tweets after Three Lockdowns
- **A GUI based Path finding algorithm using Backtracking** In this, the program generates a random maze of nxn dimension, which will be solved by the backtracking method.
- **Many more projects which include ML and DL Concepts** Android, web, and IoT integration (for example, object detection, gender and age prediction etc.)

MOOC COURSES

Tableau Fundamentals	DataCamp	March 2021 – April 2021
<ul style="list-style-type: none"> • I have gained a comprehensive introduction to data analysis and visual design in Tableau. From single worksheets to dashboards 		
TensorFlow Developer Professional	Coursera	April 2020 – June 2020
<ul style="list-style-type: none"> • This is a foundational course which taught me zero to hero in TensorFlow. I have learned the necessary tools to build scalable AI-powered applications with TensorFlow. 		
Deep Learning Specialization	Coursera	03/2020 – May 2020
<ul style="list-style-type: none"> • It is a foundational program that will help you understand the capabilities, challenges, and consequences of deep learning and prepare you to participate in the development of leading-edge AI technology. 		

CERTIFICATES

- **Smart India Hackathon** Shortlisted for Smart India Hackathon, Automated Land use classification based on Multi-spectral Imagery using the DL model
- **Amazon Machine Learning Challenge** Created a MultiClass classification model for a large corpus, which gives comparable accuracy to state-of-the-art models.
- **HackNITP 3.0** Built an audio sentiment predictor and secured 5th Place in the AI Domain.

ADDITIONAL EXPERIENCE AND AWARDS

- **Volunteer@IEEE Hyderabad Section** I also competed in the IEEEExtreme 13.0 24-hour coding competition during my volunteer time.
- **Volunteer@Green Revolution** Volunteer for the Green Revolution Program by ICCE, 2017; during my volunteering time, I lead a campaign for NO GLOBAL WARMING on my campus.
- **Mess secretary@University of Hyderabad** During my undergraduate, I was a mess secretary for a semester; my roles included organising the food schedule, guiding the workers, managing all the financial parts, and sometimes serving the food.