

EDUCATION

UNIVERSITY OF FLORIDA	August 2019 – May 2021
Masters of Science, Department of Electrical and Computer engineering	GPA : 3.51/4
<u>Coursework</u> : Machine Learning , Image Processing and Computer Vision, Neural Networks and Deep Learning , Signal Processing.	
MUMBAI UNIVERSITY	August 2014 – March 2018
Bachelor of Engineering, Department of Electronics	GPA : 3.85/4
<u>Coursework</u> : Applied Mathematics , Wireless Networks, Object Oriented Programming methodology	

TECHNICAL SKILLS

MACHINE LEARNING, DEEP LEARNING TECHNIQUES, DATA SCIENCE AND CLOUD

- **Supervised, Unsupervised Learning**, Transfer learning, **Recommender systems**, A/B test, T-test, P-values
- **Cloud and Deployment: Docker, Kubernetes, AWS, GCP, BigQuery, Heroku, Apache Spark (Python)**
- **Tools and Languages: Python, SQL, MYSQL, MATLAB, Jupyter Notebook, MS Excel, Tableau, Word.**
- **Deep Learning and ML: MLP, CNN, RNN, GAN, SVM, Regression, XGBoost, Decision Tree, Random Forest, KNN.**
- **Other skills: OpenCV, TensorFlow, Keras, PyTorch, Numpy, Scipy, Matplotlib, Pandas, BeautifulSoup.**

EXPERIENCE

Data Science Intern, ShopTaki	(July 2021 – Present)
<ul style="list-style-type: none"> • Developed and managed features for a smart-chain platform used in a hyper-connected network. Built AI and ML models in Python using Agile development methodology. Performed software quality assurance testing and participated in code reviews. 	

ACADEMIC PROJECTS

Title: <u>Predicting ratings of a restaurant and deploying it with Flask</u>	(Mar 2021 – Apr 2021)
<ul style="list-style-type: none"> • Performed exploratory data analysis on the Zomato dataset using Pandas and built Machine Learning models to predict their respective ratings based on certain features. (GitHub) • Used models like Linear Regression, Random Forest and Extra Tree regressor. Extra tree regressor outperformed the other two with r2 score of 93% and the pickle file was stored and used for deployment using Flask framework. 	
Title: <u>Social Media Advertisement for Car advertisement</u>	(Feb 2021 – Mar 2021)
<ul style="list-style-type: none"> • Created a Naïve Bayes model to analyze the customers who purchased cars in recent dates and posting advertisement of new similar cars in the market to their social networking platforms. The main idea was to use this data to provide a recommendation of new cars Achieved a total accuracy of 90 %. (GitHub) 	
Title: <u>Continual Learning in Neural Networks</u>	(Sep 2020 – Oct 2020)
<ul style="list-style-type: none"> • Designed a twin convolutional neural network to avoid catastrophic forgetting in neural networks. The model was built using Keras and TensorFlow in Python using the Omni-glot dataset. The model was trained with 2 images from every language present in the dataset and assigning 1 or 0 to similar or non-similar values respectively. (GitHub) • The model was trained with different hyperparameters and for a fixed number of epochs it was observed that every first iteration gave a maximum accuracy of >94%. 	
Title: <u>Bicycle Sharing System prediction</u>	(Jul 2020 – Aug 2020)
<ul style="list-style-type: none"> • Designed MAP and MLE estimators to predict the number of rides sharing bikes used in a 1-hour period on a given day. Performed data cleaning and accounted for missing data values using Pandas. (GitHub) • Used seaborn, matplotlib and a heatmap for visualization of every feature against the target variable. R-Square and Q-Q plot were used as a metric for evaluation. Maximum Posteriori gave a better output due to its R-squared value (0.966). 	