

Tavish Aggarwal

Data Scientist, IIT - Bangalore

4 years of extensive experience in Predictive Modeling, Computer Vision, NLP, Deep Learning, AIOps, and Cloud ML Services. Additionally, I have a skill set of developing the production-ready application using the MEAN stack. Seeking for an opportunity where I can transform the company's data towards business excellence and enhance the decision-making process.

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WORK EXPERIENCE

Senior Software Engineer (Data Scientist) GGK Tech - An ACS Group Company

01/2020 – Present Hyderabad

- Leading teams in the field of Data Science across the predictive modeling domain.
- Currently working on Bank Risk score prediction for the client in the aerospace industry.
- Exploring Reinforcement Learning and Deep Learning to build a knowledge base in the company.

Software Engineer (Data Scientist) GGK Tech

08/2017 – 01/2020 Hyderabad

- Worked as a Data Scientist in the domain of healthcare, telecom, and e-commerce.
- My major contribution was solving problems like Healthcare Claims Classification Problem, Customer Churn Prediction, and Customer Lifetime prediction.
- Worked as a full-stack developer on Angular and NodeJS.
- Played a key role in the teams and took the responsibility of end to end deliverables.

Software Engineer MAQ Software

06/2016 – 07/2017 Hyderabad

- Worked on technologies like HTML, CSS, SQL, SharePoint workflow, java, C#, Amazon web services, and AngularJS.
- Worked in an agile model with a 100% on-time task delivery record.
- Took challenge to learn and work on cutting edge technologies.

EDUCATION

PG Diploma in Machine Learning and AI International Institute of Information Technology

06/2019 – Present Bangalore

Bachelor of Technology in Software Engineering SRM University

2012 – 2016 Chennai

SKILLS

Predictive Modeling

Computer Vision

Natural Language Processing

Deep Learning

Keras

AWS Cloud

Python

Django

Flask

HTML

JavaScript

NodeJS

COMPANY PROJECTS

Aerospace Industry: Bank Risk Score Prediction

- Played a major role to identify the problem statement as predicting the risk score of each and every bank account in the system.
- Worked with stakeholders to collect the captured data points and developed the tree-based model which was able to identify risky bank accounts with 83% accuracy.
- Implement SHAP for model interpretability to unravel the patterns behind model's prediction.
- Proposed and implemented Authorization Management workflow to handle false positives predicted.

Ecommerce: Login Anomaly Detection

- The client was facing economic loss because of unethical users accessing the system.
- Build the unsupervised model using the KNN algorithm from the PyOD package to find anomalous users.
- Model achieved 20% of improvement in the revenue.
- Implemented a flask solution to host the developed solution on the lambda function (as a Serverless Server).

Telecom Industry: Customer Churn Prediction

- Analyzed client's historical data and helped them to find meaningful insights from the data using visualization tools like seaborn and matplotlib.
- Developed model using the SVM algorithm for the churn prediction. Trained hyperparameters and used RBF kernel to achieve results.
- Model replaced the rule based system and achieved improvement of 27% to predict churns.

Healthcare Industry: Claims Data Analysis

- Use case was to read EDI files data and generate a dashboard for the hospital.
- Used lambda function to read the EDI files when uploaded and convert it to relational dataset.

LANGUAGES

English
Full Professional Proficiency

Hindi
Full Professional Proficiency