Tavish Aggarwal

Certified Data Scientist

5 years of extensive experience in Predictive Modeling, Computer Vision, NLP, Deep Learning and AIOps in the domain of supply chain and e-commerce. 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.

✉ tavish@tavishaggarwal.com

📍 Hyderabad, India

in linkedin.com/in/tavishaggarwal

📱 7358685734

🌐 techladder.in

github.com/tavishaggarwal

LATEST WORK EXPERIENCE

Senior Software Engineer (Data Scientist)
ACS Solutions

01/2020 - Present   *Hyderabad*

- Positively impacted a client by leading the 3 members team to transform the business digitally which improved business performance by 18%.
- Identified the gaps fo the client while working in the supply chain industry while exploring the day to day followed process.
- Helped the organization build a knowledge base by exploring Reinforcement Learning and Deep Learning case studies.

Software Engineer (Data Scientist)
ACS Solutions

08/2017 - 01/2020   *Hyderabad*

- Honored with the "Employee of the Year" award for continuous commitment and for the mission to ensure business success.
- Developed ML models and achieved measurable results while working in the domain of healthcare, telecom, and e-commerce.
- Acquired client trust by taking responsibility for major deliverables, which helped in expanding the team size from 4 to 12 members team.

EDUCATION

Masters in Machine Learning and AI
Liverpool John Moores University

06/2020 - 02/2021   *United Kingdom*

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

06/2019 - 06/2020   *Bangalore*

Bachelor of Technology in Software Engineering
SRM University

2012 - 2016   *Chennai*

SKILLS

Statistics · 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