ASHWATH **SHETTY R**

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Professional Experience

Tata Elxsi Ltd.   Bengaluru, Karnataka
Senior Software Engineer.   Oct 2019 – Present
- Collaborated with the multiple teams of client from 4 countries to **develop** and **deliver** the **Multiplayer Edtech games** on time. aided in **training** and **onboarding** of new members to the team, **keeping track of deliveries** from the team.
- **Automated the complete performance review pipeline using Python.** Which includes analyzing the data and generating the reports based on the available data to understand the work done by the team in a month.
  - **The Developed Solution helped the team in Optimizing the time spent generating reports manually** from the Excel Sheets

Open Source Contributions

Omdena
- **Recognizing the Confidential information from Documents for Redaction using NLP.**
  - Built the Azure SQL DB to store the redacted information from the document and Created the Pipeline to fetch the data from the DB, Preprocess and Train.
  - Upgraded the current system of Regex Based redaction to a completely ML-based system.
  - Tools and Technologies used: NLP-NER, OCR, Spacy, Azure, Python, Labelbox, SQL, Flask.
- **Identify the Root Cause Analysis of Anomalies in Datacenters using state-of-the-art Unsupervised Machine Learning techniques and causal inference mechanisms.**
  - **Automated the Training Pipeline** and **Created Filters to reduce the 800 features** to a minimal amount for Modelling.
  - Developed System helped in Finding the Anomalies in real-time and Optimizing the human interaction and Delay in mitigating the issues which further lead decrease in server downtime and latency.
  - Tools and Technologies used: FbProphet, Python.

Technical Skills

Languages / Libraries: Python, SQL, Pandas, Numpy, Sci-Kit learn, FbProphet.
Platforms and IDE: Jupyter Notebook, VSCode, Anaconda, Google Colab.
Model Selection and Building: Supervised and Unsupervised Machine learning techniques, NLP, Time Series.
Development / Deployment Frameworks: Spacy, Fastapi, Streamlit, Gradio, Keras,
Cloud Platforms and Software Packaging: Azure, Heroku, Netlify, AWS, Docker
Version Control / Project Management Tools : Git, Github, Dagshub, JIRA.
Data Visualization: Weka, Plotly, Seaborn, Matplotlib, Tableau.
I am a Fast and Enthusiastic learner who enjoys synthesizing large amount of research and data insight into a concise and robust story for presentations to stakeholders.

Education

Dayanand Sagar University   Apr 2015 - Apr 2019
Bachelor of Technology in Computer Science
- **CGPA: 8.80/10**
- **Relevant Courses:** Machine Learning, Data Science, Probability and Statistics, Discrete Mathematics, Database Management System, DS and Algorithms, OOP.

Achievements and Certifications

- Currently at level **Master in Machine hack**'s ML Hackathon Category and achieved **all time global ranking of 215**.
- Solved Various challenges in many ML hackathons which includes and not limited to Credit card fraud detection, sales prediction, Loan Default Prediction, and placed in the Top 1-5%.
- Completed Machine Learning and Deeplearning Specialization from Coursera.
- **Personal Projects**: https://ashwathshetty.netlify.app/#projects
- **Github link**: https://github.com/Ashwath-Shetty
- **Area of Interest:** Data Scientist in Business Domains (Finance, Sales etc), Tabular Data, Data Engineering, NLP.