

ASHWATH SHETTY R

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Links

Portfolio: <https://ashwathshetty.netlify.app/>

Linkedin: <https://www.linkedin.com/in/ashwath-shetty14/>

Professional Experience

Tata Elxsi Ltd.

Senior Software Engineer

Bengaluru, Karnataka

Oct 2019 – Present

- **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 which helped the client to raise **\$890K** in Pre-Seed.
- 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.
- The Developed System helped in Finding the Anomalies in real-time and **Optimizing the human interaction and Delay in mitigating the issues** which further lead to a decrease in server downtime and latency.
- Tools and Technologies used: FbProphet, Python.

- **Automated the complete Performance review pipeline using Python.** Which includes analyzing the data and generating the reports to understand the amount of work done in a month by the game development team.

- **The Developed Solution helped the team in Optimizing the time spent generating reports manually** from the Excel Sheets

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 Open Source Contributions

- **Actively Participating in the open-source contribution with Omdena to execute many AI projects successfully in collaboration with the NGOs and Startups.** Also part of Omdena's AI community in promoting AI for good.

- 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 are not limited to Credit card fraud detection, sales prediction, Loan Default Prediction, and placed in the Top 1-5%.

- Completed Machine Learning and Deep Learning Specialization from Coursera.

- **Personal Projects:** <https://ashwathshetty.netlify.app/#projects>

- **Github link:** <https://github.com/Ashwath-Shetty>