

Tejas Shinde

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SKILLS

Python, SQL, R, Transformers, Azure, GCP, Git, Airflow, GenAI APIs, Vertex AI, DeepSpeed, Power BI, Tableau, d3.js, Notion.

WORK EXPERIENCE

Accenture (Client: San Diego Gas & Electric)

Los Angeles, CA

Senior Data Scientist

May 2024 – June 2025

- Driving the build & integration of the smart budget forecasting pipelines processing 45 gigabytes of data, delivered \$120,000 cost savings by introducing AI powered prefill capabilities & CI/CD machine learning flows using Airflow.
- Developing machine learning models with engineers to support supply chain initiatives, integrating via RESTful APIs, optimizing database queries for 1200+ monthly active users & reducing anomalies by 22%.
- Owned the development of 18 production ready dashboards making them readily available for the vertical leads & board through Power BI, Tableau Enterprise & d3.js flows.
- Collaborating with product & UX to execute A/B testing & statistical analysis on user behaviour, leading to 25% improvement in user retention & 19% increase in user satisfaction.
- Utilized OpenAI & Perplexity integrations to streamline feedback loops, saving \$100,000 annually by replacing legacy systems.

HSBC

Bengaluru, India

Data Science Manager

Jun 2022 - May 2024

- Led development of full stack NLP tool from a concept all the way production rollout in India & UK markets by creating personas for more than 250,000 survey responses using custom embedding, RAGs, RNNs & clustering algorithms leading to direct business impact at board level with concise insights.
- Worked with D&I team to articulate a suite of ensemble models to forecast the workforce churn & cost, supporting diverse hiring practices with 91% proven accuracy.
- Extracted more than 8M job skills using Selenium & platform APIs, deployed predictive models with Airflow & DeepSpeed frameworks.
- Foundation of Azure Cloud services in the bank, being the first team to deploy deep learning products into cloud. Led the process of setting up Azure cloud components & help new users get up to pace saving 40% of their set up time otherwise.
- Mentored 28 team members on Python, feature engineering, GitHub & explainable AI; increased use of automation in daily work stack from 20% to 50%.
- Showcased leadership qualities, Earned 1 Regional Award & 1 Global Award

HSBC

Bengaluru, India

Senior Data Scientist

Jul 2020 - Jun 2022

- Executed automation of more than 835 PowerPoint reports, reducing reporting time from 2 months to 22 hours in turn became a flagship product which our team owned.
- Managed a flagship product for comparing Employee Engagement at HSBC vs market data using APIs, scraping, resulting in 22% employee retention.
- Led the pay & rewards initiative for global head of P&R by supporting cost forecasts using custom causal inference models for each businesses, modelling cost of up to \$3.2B with 88% average accuracy across models.
- Established coding standards, GitHub repositories, and documentation (Jira, GitBook); secured 3 Global Awards, 2 promotions.

EDUCATION

Symbiosis International University

India

Master of Science – Computer Applications (GPA: 3.50/4.00)

May 2018 - Apr 2020

- Ranked #2 in 3 out of 4 semesters, Data Science Exchange Representative.
- Relevant Coursework: Python, R, Tableau, Looker, PowerBI, SQL, dbt, Neural Networks, Deep Learning, MLOps, Airflow, Deepspeed, Azure, LLMs, GitHub, OpenAI Gym, d3.js, React.js, Node.js.

Symbiosis International University

India

Bachelor of Computer Applications (GPA : 3.16/4.00)

May 2015 - Apr 2018

- Ranked #1 & #2 in 2 & 1 out of 6 semesters respectively, Secured 2nd place amongst top universities in India.
- Relevant Coursework: Exploratory Data Analysis in Python & R, SQL, Neural Networks, GitHub, React, TypeScript, Full stack development.

HIGHLIGHT PROJECTS AND OPEN SOURCE CONTRIBUTIONS

Real World Use-cases

- Kaggle: Detect AI Generated Texts using LLMs - [repo](#)
- Kaggle: Diabetes Diagnosis Prediction on real clinical data - [repo](#)
- High impact projects in NLP, Neural Networks, Reinforcement Learning, Full Stack web apps & Computer Vision - [repo](#)

CERTIFICATIONS AND COURSES

- Machine Learning (Andrew NG), AI for All and Deep Learning (Deeplearning.ai)
- Azure Cloud Fundamentals, Generative AI (Microsoft) & Large Language Models (Google)
- Python, SQL, C#, NodeJS (HackerRank)
- GitHub Actions, Gitlab (GitHub)