# **Tejas Shinde**

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**SKILLS**

Python, SQL, MongoDB, R, Transformers, Azure, AWS, Docker, Git, Airflow, OpenAI 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 $120,000cost 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 marketsby 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](https://github.com/tejashinde/detect-ai-llm)
* Kaggle: Diabetes Diagnosis Prediction on real clinical data - [repo](https://github.com/tejashinde/DiabetesInsight-ML)
* High impact projects in NLP, Neural Networks, Reinforcement Learning, Full Stack web apps & Computer Vision - [repo](https://github.com/tejashinde/data-science-academy-portfolio)

**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)