

Sourabh Mehta

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Data Science & Data Engineering | Building End-to-End Data Solutions

SKILLS

Database Engineerings | SQL (MSSQL, SSMS, SSIS, ETL), Dbt, NoSQL

Visualization Tools | Tableau, PowerBI, R-Shiny, Dash, Streamlit, Excel, Interactive dashboard reports

Programming | Python (Flask, Pandas, Numpy, selenium, jupyter-notebook), GoLang, HTML, Javascript

Data Science & ML | Time Series, Regression Analysis, Artificial Neural Network, Decision Tree, Optimization

Version control & Deployment | Git, GitHub, Docker, REST-API, API management, CICD

Cloud | GCP, AWS, Snowflake, Databrick

Generative AI & NLP | LLM, Word2Vec, Spacy, Transformer, fastText, NLTK

Big Data | SQOOP, HIVE

Soft Skills | Result oriented

Project Mgmt. | Agile Project Mgmt., Scrum, Confluence

WORK EXPERIENCE

MICRON SEMICONDUCTOR | SQL, Tableau, PowerBI, Python, GCP, Data Science & Analytics

Senior Data Science Engineer | Singapore | Jul 2020 - Present

- **Lead innovative AI and ML endeavors in the Smart Mfg. & AI division**, focussing on generative AI technologies to streamline supply chain and procurement functions; enhanced operational efficiency, leading to a significant savings in procurement costs.
- Designed and delivered projects such as "**Risk Analytics**," "**Supplier Analytics**," "**Price Tracker**," and "**Spend Categorization**" to optimize material purchase and cost-cutting strategies as part of AI based procurement & supply chain solutions
- Played a pivotal role in **managing data pipelines, cloud-based solutions, and mentoring junior team members** to ensure project success.
- Develop and maintain data pipelines to analyze and visualize a variety of data for better insights and automated reports and dashboards for stakeholders.
- Engage with stakeholders to transform ambiguous problem statements into well-defined analytical scopes, leveraging the outcomes to guide strategic decision-making processes.
- **Successfully categorized the spend for a business function and thereby delivered various cost saving strategies for around billion dollar spend for the company.**

DEFENSE SCIENCE AND TECHNOLOGY AGENCY | Python, Web scraping, SQL, Tableau, Machine Learning

Machine Learning Engineer (Contract) | Singapore | Jul 2019 - Jul 2020

- Applied **AI, ML & Language Model** techniques to extract key entities from news articles in the "public health" domain, enhancing information extraction and topic classification.
- Leveraged web scraping and various **ML and NLP methods to curate, train and deploy entity extraction models through web services.**

IAMPLUS ELECTRONICS PTE LTD | Python, AWS, Machine Learning, Entity extraction, Chatbot

Machine Learning Engineer | Singapore | Jul 2017 - Jul 2019

- Spearheaded research and development efforts in natural language processing (NLP) with a focus on **chatbot applications leveraging language models.**
- Utilized AI techniques to enhance the organization's chatbot and product offerings, providing real-time,

interactive user experiences.

AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH (A*STAR) | R, Python
Intern data Scientist | Singapore | Aug 2016 - Mar 2017

- Conducted research on online learner behavior in MOOCs environments, employing data analysis and predictive modeling to enhance adaptive e-learning systems and as part of research outcome found useful features from learner's clickstream server log data which were key indicators to provide early feedback and holistic view to course maker, thereby making e-learning environment adaptive.

TATA CONSULTANCY SERVICES | HTML, CSS, JAVA, Web development, AngularJS, SQL, IOS, Mobile App
Software Developer | Pune, India | Nov 2012 - Dec 2015

Worked as developer with the Banking and Financial Services clients.

1. Project: Web and mobile application

Client: Vanguard (USA)

Role: Developer and module lead

- Understanding the existing architecture of the application and creating the UI for the application.
- Used HTML5 and AngularJS to develop the frontend of application.
- Interacting with clients on daily SCRUM calls for project requirements.
- Working in the institutional banking domain and thereby creating an easy and intuitive UI for the fund management system and thereby reducing unnecessary navigation of users on webpage and making it more intuitive.

2. Project: Mobile application (iOS)

Client: PNC Bank (USA)

Role: Developer

- Worked on service layer and UI development for different modules in the project.
- Developed the app from scratch, it helped client's customer to manage their funds for performing business activities.
- Awarded "On The Spot" award for my dedication and timely delivery of modules.

EDUCATION

NATIONAL UNIVERSITY OF SINGAPORE

Master of Technology in Knowledge Engineering, Singapore | Jan 2016 - Apr 2017

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA

Bachelor of Engineering in Electronics and Comm. (Hons.) Bhopal, M.P, India | Aug 2008 - Jun 2012