

Hemil Shah

DATA ANALYST

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Skills

- Programming: Python, R, Java, C, C++
- Databases: PostgreSQL, MySQL, Oracle
- Visualization: Tableau, PowerBI, Kibana, R Shiny (ShinyApps.io)
- Cloud / DevOps: AWS, Azure (ADF, Logic Apps), Docker, Jira, Bitbucket
- AI / ML: Supervised/Unsupervised Learning, Neural Networks, Large Language Models, NER
- Automation & RPA: Ui Path, Power Automate
- Web Development: Django, Flask, HTML/CSS, JavaScript, Bootstrap
- Mobile Development: Android Studio
- Data Integration: Salesforce

Experience

QAAFI | Data and Business Intelligence Analyst

Jul 2025 – Present

- Enhanced data accessibility by automating workflows, processing 50k+ food standards records, cutting manual data preparation time by 35% and enabling faster decision-making.
- R coded and published Shiny dashboards visualizing 200k+ data points, reducing analysis time for researchers by 40%, and facilitating data-driven insights for key stakeholders.
- Consolidated and analyzed diverse datasets from 15+ beverage sources, streamlining research efforts and boosting data accuracy for more reliable predictions.

Food and Beverage Accelerator | Data Analyst Intern

Jul 2024 – May 2025

- Discovered 20+ patent innovation themes using BERTopic and LLMs to analyze 10,000+ food and beverage patents, directly influencing strategic R&D decisions.
- Built scalable data pipelines to process and analyze 100k+ customer reviews, generating actionable insights that informed product development and marketing strategies.
- Applied BERT sentiment models to classify customer reviews with 85% accuracy, identifying key drivers of customer satisfaction and enhancing product features.

QAAFI | Data and Business Intelligence Analyst

Nov 2024 – Feb 2025

- Pipelining topic modeling and summarization for 50k+ beverage datasets, reducing research turnaround time by 30% and improving overall productivity.
- Enhanced keyword extraction using Named Entity Recognition (NER), boosting keyword retrieval accuracy by 25%, making it easier for researchers to find relevant data.
- Led data consolidation efforts from 15+ beverage-related sources, creating a unified dataset for analysis and facilitating deeper insights into industry trends.

First 8 Marketing | Data Science Intern

Nov 2023 – Feb 2024

- Designed a recommendation engine and user requirement using psychological MBTI profiles, resulting in a projected 12% increase in click-through rates and improving user engagement with marketing content.

Mahindra Finance | Deputy Manager – Full Stack Engineer **Oct 2022 – Jun 2023**

- Led a development team to create a personal loan application, servicing over 100,000 users and optimizing the user journey, leading to higher loan conversion rates.
- Improved monitoring systems with Kibana ELK dashboards and coded Python alerting, reducing incident response times by 50%, increasing operational efficiency.
- Optimized database queries in PostgreSQL and Django, enhancing API performance by 40%, and improving overall system scalability and response times.

C-BIA Solutions & Services LLP. | Developer **Jul 2022 – Sep 2022**

- Reduced data sync latency by 70% by integrating LMS with Salesforce using Azure Data Factory, significantly improving operational efficiency.
- Automated e-commerce reconciliation processes, saving 8 hours per week in manual reporting and enabling faster, data-driven business decisions.

CRG Solutions Pvt. Ltd. | Jr. RPA Developer **Dec 2020 – Apr 2022**

- Developed and deployed RPA workflows in UiPath to automate critical client operations across Excel, FTP, and web applications, reducing manual processes by 50% and enhancing team productivity.
- Integrated MySQL and Oracle for efficient data storage, streamlining data extraction and improving reporting efficiency.

Piramal Capital & Housing Finance | Technical Trainee **May 2020 – Nov 2020**

- Engineered a Video KYC application using Node.js, reducing customer verification times by 60% and enhancing the onboarding process.
- Implemented machine learning models for PAN card data extraction, improving data processing efficiency and accuracy.

C-BIA Solutions & Services LLP. | Developer **Dec 2019 – Jan 2020**

- Deployed an Android app for real-time updates and social sharing, increasing user engagement and broadening app interaction, reaching 10k+ users in the first 6 months.

Saïd Business School (Oxford University) | Developer **May 2019 – Jul 2019**

- Led ML-based analysis of faculty and student data for strategic planning, contributing to actionable insights that optimized resource allocation.
- Developed sentiment analysis models for social media data, which received academic sponsorship for further development.

Education

The University of Queensland, Master of Data Science **Jun 2023 – Jul 2025**

Relevant Coursework: Probability Models, Machine Learning, Database, Pattern Recognition, Data Mining, Information Retrieval, Cloud Computing, Deep Learning, Statistics

NMIMS University, Bachelor of Technology in Computer Engineering **Jul 2018 – Aug 2021**

Relevant Coursework: Data Structures, Discrete Structures, Design & Analysis, Computer Networks, IOT, Image Processing, Data Warehousing, Big Data Analytics, Human Computer Interface

NMIMS University, Diploma in Computer Engineering **Jul 2015 – Jun 2018**