

YASH SHAH

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EDUCATION

Masters of Science in Information Technology

Arizona State University

- Coursework: Analyzing Big Data, DB Management Systems, Data Visualization, Statistical Analysis

May 2025

Arizona, USA

GPA: 3.94/4.00

B.Tech in Computer Engineering

Charotar University of Science and Technology

- Coursework:- AI, Data structure and algorithm, Database, Cloud Computing, Python

April 2023

Gujarat, India

GPA: 8.90/10.0

EXPERIENCE

Data Analyst

Arizona State University

Jan 2024 - Present

Arizona, USA

- Implement real-time **Power BI dashboards** incorporating admissions, and academic records; define **KPIs** with cross-functional teams, cut report generation time by **25%**, and enable data-driven decisions.
- Automate inventory tracking using **Python** and **Power BI**, reducing manual effort by **30%**. Build dashboards for real-time reporting, enhancing decision-making.
- Design Handshake data pipeline by ingesting raw unstructured data into **AWS S3**, preprocessing with **AWS Glue**, and loading structured data into **Redshift**.
- Automate Excel-based **data cleaning** processes consolidating **Python** scripts, eliminating inconsistencies in student service records, and reducing processing time by **30%**.

Summer Intern

New York City Department of Finance

June 2024 - August 2024

New York, USA

- Restructured **SharePoint architecture**, revamping folder hierarchies and metadata tagging, decreasing document retrieval times by **35%** enhancing **data organization**.
- Migrated **11,000+** Excel records into structured SharePoint lists, executing automation scripts revised data processing efficiency by **20%**.
- Designed interactive **Power BI dashboards** to track staff performance and productivity, enabling department heads to optimize workforce distribution based on trend analysis.
- Led cross-functional data projects, overseeing timelines and facilitating **Scrum** reviews, restructuring **project alignment** and execution efficiency by **25%**.

Python Developer

AI Genesis Glib

December 2022 - April 2023

Gujarat, India

- Developed and integrated chatbot functionalities into website backend using **Rasa**, increasing user engagement and intent classification and **entity extraction**.
- Improved chatbot efficiency by **training** and **fine-tuning** the Rasa NLU model for better response accuracy and context understanding.
- Conducted **API testing in Postman** to validate Rasa model, optimizing user interaction patterns and strengthening overall performance with **90% confidence** rate.

PROJECTS

Sales Data Analysis | Python, Jupyter-Notebook, Matplotlib,

January 2022 - April 2022

- Enhanced data quality by **20%** through cleaning and **EDA**, expanding sales potential by **15%**, while targeting female buyers aged 26-35 with **30%** higher purchasing power.
- Proposed targeted marketing in India, driving **60%** of total sales in Food, Clothing, and Electronics for sustained growth.

Name Entity Recognition (NER) | Python, Power-BI

January 2020 - April 2020

- Extracted and analyzed data from resumes and insurance records integrating **NLTK**, **SpaCy**, and **Polyglot** to identify trends and improve decision-making for recruiters and policy analysts.
- Evaluated **NLP** frameworks for ER, selecting **NLTK** for its **89% F1 score**, and visualized insights with **Power BI**.

TECHNICAL SKILLS

Languages: Python, SQL, R, Java, JavaScript, PHP, C++, HTML, Node.js, React

Data Visualization & BI Tools: Tableau, PowerBI, Matplotlib, Seaborn

Project Management & Collaboration: JIRA, Confluence, SharePoint, Microsoft Office Suite, Excel

Business Intelligence: Data Ingestion, Big Data, Data Modeling, Statistical Analysis

Soft Skills: Team Collaboration, Project Management, Agile & Scrum, Documentation