Kirtan Shah

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Professional Summary

Analytical professional skilled in **data analysis**, **business intelligence**, and **process improvement**, with hands-on experience using **Python, SQL, Power BI**, and **cloud tools**. Proven ability to deliver actionable insights and collaborate cross-functionally. Seeking analyst or rotational roles that combine **data-driven problem solving** with **strategic business learning**.

Professional Experience

Booz Allen Hamilton   Camp Lejeune, NC
Senior Consultant - Data Analyst   March'25 - Present
- Led data analysis and tool development for classified II MEF Navy-Marine Corps initiatives, partnering with 10+ battalion leads to identify data issues and business needs across operations, personnel, and logistics.
- Executed full-cycle **ETL pipelines** using **Databricks (AWS)**, **SQL**, and **Python**, cleaning and transforming complex, sensitive military datasets spanning 30+ interrelated tables (~600 rows each), including **weapons inventory**, **Marine personnel records**, **health status**, **deployment data**, and more.
- Automated **Power BI dashboarding** workflows, enabling seamless integration of real-time reports with marine systems—now actively used across the II MEF wing to enhance operational readiness and decision-making.
- Conducted exploratory data analysis (**EDA**) to design user-centric dashboards for Marine Corps officers, improving data accessibility and usability across all battalions.
- Drove **agile sprint planning** and backlog grooming with Booz Allen's internal team, using **JIRA** and **Confluence** to manage cross-functional collaboration and delivery.
- Presented analytics solutions and data insights to the **Chief General and senior Marine leadership**, driving adoption of the developed tool across the entire **II MEF command structure** and enhancing decision-making.

Consultant - Data Scientist   July'24 - March'25
- Worked on **a healthcare analytics project** focused on **ECG signal classification** for heart attack detection, using **Python** (**scikit-learn, TensorFlow**) to develop **machine learning models (RF, ANN, CNN)** that increased **detection accuracy to 79%**.
- Conducted **exploratory data analysis (EDA)** using **Excel** & **Python (Matplotlib, Seaborn, Pandas)**, and **visualize data** to identify trends and uncover insights from complex ECG datasets.
- **Built predictive models** and used **feature engineering** to improve model performance, supporting healthcare providers with data-driven insights for **early detection** and **diagnosis** of heart-related conditions.
- Delivered **data visualizations** and **PowerPoint presentations** to executives and cross-functional teams.

Agile Infoways Pvt. Ltd.   Gujarat, India
Machine Learning Intern   Jan'23 - May'23
- Applied **Python (OpenCV, scikit-learn)** for live wound detection using image analysis in a pharmaceutical project, improving real-time feedback accuracy by **20%**.
- Developed a real estate pricing model using **Python (Pandas, NumPy, scikit-learn)** and **Excel** for data preprocessing, achieving **80%+ accuracy** with **k-fold cross-validation** and **GridSearchCV**.

Merck Corporation   Coral Springs, FL
Data Engineering/Science Intern   June'22 - Aug'22
- Developed and maintained backend **data pipelines** using **AWS Redshift**, **Python**, **Bitbucket**, and **Jenkins** for the **Scientific Data Consumption Team**, streamlining pharmaceutical R&D data workflows.
- Researched and implemented **Ontology tools** to enhance **medicinal data categorization** and knowledge management, improving decision-making across drug development pipelines.
- Collaborated cross-functionally using **JIRA**, performed data analysis for internal team research and challenges.

Agile Infoways LLC   Atlanta, GA
Business Analyst Intern   Jun'21 - Aug'21
- **Conducted business requirement analysis** and documented stakeholder needs using **Google Docs** and **PowerPoint**, translating them into actionable insights for product development.
- **Created wireframes and interactive prototypes (UI/UX)** using **Figma** and **MockingBot**, and managed end-to-end product documentation (user stories, UML diagrams) with **PowerPoint**, **Lucidchart**, and **Draw.io.**

Skills & Certification

Programming & AI: **Python**, **R**, **SQL**, **C++**, **Predictive Analytics, Deep Learning**, **Machine Learning**
Data Analytics & Visualization: **Power BI**, **MS Excel, Tableau, Databricks, Matplotlib, Seaborn, Numpy, Pandas**
Cloud & Tools: **AWS**, **JIRA**, **Confluence, Bitbucket, Advana, Lucidchart, Draw.io, Figma**
Certifications: Certified Scrum Master, AWS Certified Cloud Practitioner, Booz Allen Badges (AI Consultant Expert, AI Engineer Practitioner, Python Practitioner)

Education

Pennsylvania State University   State College, PA
Bachelor of Science in Applied Data Science   GPA: 3.94/4
Minor: Health Policy & Administration