

# Smit Patel

## Junior Data Analyst and ML Engineer

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### SKILLS

Python, SQL, Data Visualization, Database Design, RDBMS, NLP, Data Cleaning and Preprocessing, Data Transformation, EDA, Data Mining, Data Warehousing, ETL, Statistical Analysis, Predictive Modeling, Regression, Clustering, Classification, Project Management,

### WORK EXPERIENCE

#### COGNIZANT TECHNOLOGY SOLUTIONS (CTS)

Mumbai, MH, India

Programmer Analyst Trainee

Sep 2022-Mar 2023

- Achieved **20% improvement** in software efficiency by developing and implementing optimized code solutions.
- Collaborated with cross-functional teams to analyze user requirements, resulting in **30% reduction in troubleshooting time** and enhancing overall system performance.
- Implemented streamlined coding practices, resulting in **15% reduction in code complexity** and enhancing overall system maintainability and readability.

#### WISCONSIN UNION – CATERING

Madison, WI, USA

Student Supervisor

Sep 2023-Present

- Oversee daily food service operations and food preparations in Catering for over **100 customers**.
- Helped train and develop more than **30 new and existing staff**.
- Assisted event management and supervision in **50+ catered events**.

### EDUCATION

#### UNIVERSITY OF WISCONSIN – MADISON

Madison, WI, USA

Master of Science in Information Science (Concentration: Data Analytics & Data Management)

Sep 2023 - May 2025

GPA: 4.0

#### UNIVERSITY OF MUMBAI

Mumbai, MH, India

Bachelor of Engineering in Information Technology

Aug 2018 - May 2022

GPA: 3.62

*Relevant Coursework:* Business Intelligence, Data Analytics, Databases, Machine Learning, Artificial Intelligence, Big Data, Cloud Computing, Information Retrieval, DevOps, Data Structures

### PROJECTS

#### POLICY BRIEF: STUDENT LOAN DEBTS IN USA

Sep 2023 - Dec 2023

- Conducted in-depth research and data analysis on U.S. student loan debts dataset, extracting trends and insights, resulting in a **25% increase** in identification of key factors influencing student loan debt patterns.
- Performed data cleaning, preprocessing, data validation and data wrangling on Tableau Prep that led to **35% increase in data consistency**.
- Developed reports and Tableau dashboards with interactive data visualizations that facilitated a **30% reduction** in time required to grasp critical information.

#### HEALTHCARE CHATBOT USING RASA

Sep 2021 - May 2022

- Features included disease prediction using NLP based on symptoms resulting in a **40% increase** in accurate diagnosis, and appointment booking resulting in a **30% deduction** in missed appointments.
- Designed, trained and tested ML model using classification algorithms to successfully predict potential diseases with **94% accuracy**.
- Collectively published a research paper in the journal Recent Trends in Information Technology and its Application (2022) with **953 views and 460 downloads**.

#### RAINFALL PREDICTION IN AUSTRALIA

Jan 2021 - May 2021

- Created dataset by collecting rainfall data of Australia from years 2007 to 2017.
- Performed data cleaning and preprocessing, data wrangling that led to **35% increase** in data consistency.
- Successfully developed, trained and tested Machine Learning model using RandomForest and XGBoost classification algorithms with **99% accuracy**.

### TOOLS, LANGUAGES AND CERTIFICATIONS

- **Tools:** Tableau, PowerBI, Oracle, Jenkins, MS Office, MySQL, MongoDB, AWS, Azure, Google Cloud, Google Analytics, PowerShell, Big Query, Git, Informatica, Rasa, RStudio, Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, TensorFlow, PyTorch, Keras
- **Languages:** Python, SQL, R Programming, C/C++
- **Certifications:** i. Professional Certificate in Applied AI – IBM    ii. Spoken Tutorial Certification in Python and MySQL – IIT Bombay