

Harsh Bopaliya

WORK EXPERIENCE

IBM SkillBuild CSRBOX

Data Analysis Intern

June 24th, 2024 - August 5th, 2024

- Developed a Credit Card Dashboard in Power BI, integrating SQL queries to streamline data reporting and analytics, leading to a 20% boost in data accessibility for stakeholders.
- Utilized machine learning models to analyze transaction data, accurately predicting customer behavior with 85% precision, enabling targeted marketing strategies.
- Collaborated with cross-functional teams to optimize analytical methodologies, aligning with business objectives and achieving a 15% increase in reporting efficiency.

EDUCATION

Ahmedabad Institute of Technology

Bachelor of Engineering in Computer Engineering - 8.02 CGPA

Jul 2021 – May 2025

PROJECT

Credit Card Transaction Analysis

- Created a sophisticated Power BI dashboard integrated with SQL to analyze credit card transactions, uncovering key patterns and anomalies.
- Implemented machine learning models to detect fraudulent activities and predict customer behavior with 90% accuracy.

Sentiment Analysis on Amazon Food Reviews

- Applied VADER sentiment analysis to classify review polarity and fine-tuned Hugging Face's RoBERTa model for improved sentiment prediction.
- Achieved actionable insights from large-scale review datasets, aiding business decisions.

Student Placement Predictor

- Developed an end-to-end web service to predict student placements using logistic regression.
- Designed a dataset, built a Flask application, and hosted it on Render, demonstrating expertise in deployment and model integration.

SKILLS

- **Programming:** Python (Pandas, NumPy, Scikit-Learn), SQL, JavaScript (React, Node.js), Data Structures & Algorithms
- **Web Development:** HTML, CSS, JavaScript, MERN Stack (MongoDB, Express.js, React, Node.js)
- **Machine Learning & Data Science:** Supervised & Unsupervised Learning, Predictive Analytics, Data Visualization (Power BI), Deep Learning, Naive Bayes
- **Cloud Computing:** AWS architectural diagrams, AWS pricing, and technical communication
- **Tools & Technologies:** Power BI, Excel, Flask
- **Mathematics:** Linear Algebra, Calculus, Probability & Statistics

CERTIFICATIONS

- Code Unnati Program –SAS
- IBM SkillBuild CSRBOX - Data Analysis Intern (June 24th, 2024 - August 5th, 2024)
- 100 Days of Machine Learning by CampusX (YouTube Channel)
- AWS Certified Solutions Architect – Job Simulation (Jan 20 2025)