

Shubhi Gupta

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EDUCATION

University of Michigan-Dearborn

Master of Science in Data Science (GPA: 3.9)

Courses: Big Data Analytics and Data Visualization, Machine Learning and Computational Statistics, Applied Regression Analysis, Advanced Artificial Intelligence, Intelligent Systems, Deep Learning

Dearborn, MI

Expected Graduation: May 2026

SRM Institute of Science & Technology

Bachelor of Technology in Electronics and Communication (GPA: 9.64/10)

Courses: Programming for Problem solving, Pattern Recognition & Neural Networks, Digital Image & Video Processing

Chennai, India

May 2022

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, C/C++
- **Tools:** Tableau, PowerBI, Git, Jira, Microsoft Azure Services, AWS, SQL Databases, Data Warehouse, GCP(BigQuery)
- **Libraries/Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, XGBoost, TensorFlow, Keras, PyTorch, Computer Vision, Hugging Face Transformers, Generative AI, Retrieval-Augmented Generation (RAG)

WORK EXPERIENCE

TheMathCompany

Bangalore, India

Data Analyst

Jun 2022 - Apr 2024

- Automated monthly Excel reporting using Python in Azure Synapse, reducing preparation time by 85%, and built Tableau dashboards to improve operations and highlight key performance insights
- Preprocessed large-scale raw data using Azure Databricks to find insights on sales trends and workflow efficiency. Delivered actionable insights that led to improved decision-making, earning client recognition
- Optimized large dataset workflows with Python's multiprocessing and multithreading, reducing runtime for forecasting models on historical data and enabling faster analytics
- Led a team to achieve project deliverables, earning an appreciation award for management and quality. Guided cross-functional teams in resolving visual issues using Business Intelligence tools

TheMathCompany

Bangalore, India

Data Science Intern

Jan 2022 - May 2022

- Built a content-based recommendation engine that uses cosine similarity and Euclidean distance to match vehicles with user preferences. Used feature vectors and browsing data to provide personalized suggestions and improve user engagement
- Mentored team members on key project tasks and tools, ensuring timely and high-quality deliverables throughout the project

HighRadius

Bhubaneswar, India

Data Science & Product Intern

Jul 2021 - Jan 2022

- Created an AI-based B2B FinTech tool that predicts invoice payment dates using historical financial data and XGBoost, achieving 93.5% accuracy
- Built a web-based chatbot using Google Dialogflow and natural language processing to make customer interactions smoother and simplify support for a banking company

PROJECTS

GenAI-Based Data Quality Firewall

- Built a GenAI-powered data firewall that detects and automatically corrects schema drift, missing values, and anomalous inputs in real time, ensuring reliable data for analytics and predictive models
- Improved the consistency and trustworthiness of reporting and insights, helping teams make better planning decisions and reducing disruptions caused by data quality issues

Covikit Application

- Developed a web-based COVID-19 screening app that classifies users based on their symptoms to help assess potential infection risk
- Trained and compared multiple classification models on the UN Kaggle dataset, achieving 97.7% accuracy. A/B tested different model versions and probability thresholds to select the best-performing model, and deployed the final solution using Streamlit