Shubhi Gupta

Dearborn, MI (313) 415-1477

shubhig@umich.edu, linkedin.com/in/shubhigupta15, portfolio-shubhi-gupta.vercel.app

EDUCATION

University of Michigan-Dearborn   Dearborn, MI
Master of Science in Data Science (GPA: 3.9)   Expected Graduation: May 2026
Courses: Big Data Analytics and Visualization, Machine Learning and Computational Statistics, Applied Regression Analysis, Advanced Artificial Intelligence, Intelligent Systems, Deep Learning, Data Security & Privacy

SRM Institute of Science & Technology   Chennai, India
Bachelor of Technology in Electronics and Communication (GPA: 9.64/10)   May 2022
Courses: Programming for Problem solving, Pattern Recognition & Neural Networks, Digital Image & Video Processing

TECHNICAL SKILLS

- **Programming Languages:** Python, SQL, C/C++
- **Tools:** Tableau, PowerBI, Git, Jira, Microsoft Azure Services, SQL Databases, Data Warehouse
- **Libraries/Frameworks:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, XGBoost, TensorFlow, Keras, PyTorch, NLTK, OpenCV

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
- Enhanced data processing efficiency using Python's multiprocessing and multithreading to handle large datasets effectively. Implemented a time series forecasting model for a sustainable footwear brand that improved prediction reliability and enabled better inventory planning
- 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
Full Stack Intern   Jan 2022 - May 2022
- Built a content-based recommendation engine leveraging cosine similarity and Euclidean distance to match vehicles with user preferences. Utilized feature vectors and browsing data to deliver personalized suggestions and enhance user engagement
- Mentored team members on core project tasks and tools ensuring timely and high-quality deliverables throughout the project lifecycle

HighRadius   Bhubaneswar, India
Product Intern   Jul 2021 - Jan 2022
- Developed an AI-powered B2B FinTech application to predict 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 enhance user interactions and streamline customer support for a banking company

PROJECTS

Covikit Application
- Developed a web-based application for online COVID-19 testing that classifies users based on symptoms to assess potential infection risk
- Trained and evaluated multiple classification algorithms on the UN Kaggle dataset, achieving 97.7% accuracy; deployed the solution on Heroku with an intuitive user interface for easy access

American Sign Language Recognition System
- Designed a real-time ASL recognition system using MobileNetV2 and computer vision, achieving over 95% accuracy on the validation set across 36 gesture classes
- Collected and augmented 11k+ hand gesture images to improve model accuracy, generalization and robustness in gesture classification