Shubhi Gupta

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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, Google Cloud Platform (BigQuery), SQL Databases
- **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
- Built a Python automation framework that reduced monthly Excel report generation time by 85%. Used the output to design advanced Tableau dashboards. These visualizations streamlined operations and highlighted key performance drivers
- Utilized Google Cloud BigQuery to analyze raw data, accelerating cross-departmental workflow processes. Delivered actionable insights that led to improved decision-making, earning client recognition
- Enhanced data processing efficiency through parallel processing with Python's multiprocessing and multithreading, enabling effective handling of large datasets. Implemented a time series forecasting model for a sustainable footwear brand significantly improving accuracy by 20%
- 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
- Developed a content-based recommendation engine to guide customers in selecting vehicles aligned with their preferences and browsing behavior
- 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 advanced chatbot utilizing natural language processing to enhance user interactions and provide seamless customer support on a web-based platform for a banking company
- Created a responsive note-taking app using React.js with an interface for writing and customizing notes

PROJECTS

Covikit Application
- Developed an application to provide online COVID-19 testing, enabling users to determine if they are COVID positive
- Trained on the dataset compiled by the United Nations from Kaggle, employing various machine learning and deep learning algorithms, achieving 97.7% accuracy with a Multi-layered Perceptron. Deployed on Heroku, offering a user-friendly interface for easy access and interaction

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