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

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 and Neural Networks, Digital Image and Video Processing

TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL, C, C++
- **Tools:** Tableau, PowerBI, Git, Jira, Google Cloud Platform, Relational Databases (PostgreSQL, MySQL)
- **Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, PyTorch, TensorFlow, Keras, Neural Networks
- **Web Development:** HTML, CSS, React.js

WORK EXPERIENCE

TheMathCompany Bangalore, India
Data Analyst June 2022 - April 2024
- Developed a Python framework to automate daily and monthly Excel reports, reducing generation time by 85%, and used these reports to create advanced Tableau dashboards, optimizing operations and visualizing complex workflows to identify 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
- Built a recommendation engine using a content-based recommender system to help customers select the ideal vehicle based on their preferences and behaviors.
- Mentored team members to acquire essential project skills, ensuring timely and accurate deliverables.

HighRadius Bhubaneswar, India
Product Intern July 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.
- Built a dynamic and responsive note taking application using React.js, providing users with an intuitive interface to create and customize their notes effortlessly.

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.

Library Inventory Optimization
- Designed and implemented a relational database schema in PostgreSQL to optimize library operations, including categorization, book recommendations, and usage tracking.
- Developed efficient SQL queries, deployed database indexing techniques, and analyzed query performance to enhance system efficiency.