

# Shubhi Gupta

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## EDUCATION

### University of Michigan-Dearborn

Masters of Science in Data Science

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

Dearborn, MI

Expected Graduation: May 2026

### SRM University

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

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

Chennai, India

May 2022

## TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL, C, C++
- **Tools:** Tableau, PowerBI, Google Data Studio, Microsoft Excel, Git, Jira, Google Cloud Platform
- **Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, TensorFlow, Keras
- **Web Development:** HTML, CSS, React.js

## WORK EXPERIENCE

*TheMathCompany*

### Data Analyst

Bangalore, India

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*

### Full Stack Intern

Bangalore, India

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*

### Product Intern

Bhubaneswar, India

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

*Payment Date Prediction*

- Implemented an Artificial Intelligence enabled Business-to-Business Financial Technology application to assist enterprises in predicting payment due dates for invoices.
- Utilized XGBoost algorithm on historical financial data, achieving 93.5% accuracy in predicting due dates.
- Designed the front end of the web application using HTML and CSS, ensuring a responsive interface.

*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.