Shubhi Gupta

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EDUCATION

University of Michigan - Dearborn   **Sep 2024 - Present**
Masters of Science in Data Science   Dearborn, MI, USA
Courses: Big Data Analytics and Visualization, Machine Learning and Computational Statistics, Applied Regression Analysis, Advanced Artificial Intelligence

SRM University   **July 2018 - May 2022**
Bachelor of Technology in Electronics and Communication (GPA: 9.64/10)   Chennai, India
Courses: Programming for Problem solving, Pattern Recognition and Neural Networks, Probability and Stochastic Process

EXPERIENCE

Data Analyst   **June 2022 - April 2024**
TheMathCompany   *Bangalore, India*

- 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.
- Accelerated workflow processes between departments by analyzing raw data with Google Cloud BigQuery. Provided valuable insights that helped understand current processes and guiding better decision-making, earning positive feedback from clients
- Implemented a time series forecasting model for a sustainable footwear brand significantly improving accuracy by 20% and reliability of sales predictions, resulting in increased revenue.
- 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.

Full Stack Intern   **Jan 2022 - May 2022**
TheMathCompany   *Bangalore, India*

- 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.

Product Intern   **July 2021 - Jan 2022**
HighRadius   *Bhubaneswar, India*

- 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.
- Conducted regression tests within the Functional System Integration Testing environment, ensuring the stability and reliability of software releases.

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.

TECHNICAL SKILLS

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