

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, Advanced Calculus and Complex Analysis, 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 guided 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.
- Proficient in conducting regression testing on the FSIT environment, ensuring the stability and reliability of software releases.

PROJECTS

Payment Date Prediction | *Data Cleaning, Regression Analysis, Feature Engineering, Model Evaluation*

- Implemented an AI-enabled B2B Fin-Tech 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 | *Python, Data Pre-processing, Machine Learning, Exploratory Data Analysis*

- The application provides 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, with a Multi-layered Perceptron achieving 97.7% accuracy.
- Deployed on Heroku, offering a user-friendly interface for easy access and interaction.

TECHNICAL SKILLS

Programming Languages: Python, C, C++, SQL

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