

Shreyas Sunku Padmanabha

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EDUCATION

The George Washington University Master of Science in Data Science

Washington, DC
May 2024

Global Leaders Fellowship award recipient (25%/year Scholarship on Tuition Fee)

Relevant Coursework: Data Science, Data Warehousing, Data Mining, Visualization leveraging Tableau, Time Series, Neural Networks

Dayananda Sagar Academy of Technology and Management (DSATM) B.E. in Electronics and Communication

Bengaluru, India
August 2020

Relevant Coursework: Linear Algebra, Statistics, Probability, Programming

TECHNICAL SKILLS

- Programming Languages: Python, R, SQL
- Tools: Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, ggplot2
- Analytics Tool: Tableau
- Software: Jupyter Notebook, R Studio, MS Excel, MySQL
- Machine Learning & Applications: Statistics, Data Preprocessing, Data Visualization, Supervised & Unsupervised Learning
- Certification: IABAC Certified Data Scientist

RELEVANT WORK EXPERIENCE

Rubix

Bengaluru

Data Science Intern

August 2022 - August 2022

- Collaborated with an intern team of four to work on various Machine-Learning modeling and data visualizations
- Accomplished below projects during 4-week internship period involving dataset research, project management and building to solve real-world problems, data analysis
- Executed Customer Transaction Prediction model with AUC of 0.814 using Naïve Bayes Algorithm on the customer transaction dataset to identify customers will make a specific transaction in the future
- Established a Home Defaulter Classifier Model with Accuracy of 92% using Logistic Regression Algorithm on data supplied by home credit to identify the defaulters

Cognizant Technology Solutions Programmer Analyst Trainee

Bengaluru

December 2020 - July 2022

- Orchestrated agile methodology to construct user stories and bugs to achieve client requirements
- Managed External Database using SQL to succeed read/write operations
- Employed BIX (Business Intelligence Exchange) to execute data analytics and reporting features by utilising transactional data
- Devised Custom Reports to improve reporting efficiency and enhance performance by combining data of three applications
- Organised Dashboards to boost persona productivity by providing prospects and renewal insurance information

Cognizant Technology Solutions Internship Trainee

Bangalore

January 2020 - May 2020

- Gained knowledge and worked along Academy and Business Unit in field of Java, SQL, Python, XML and Web Technologies

TECHNICAL PROJECTS

Adolescent behavior on health and education Outcomes | Python

November 2022 - December 2022

- Accomplished Classification Machine Learning model with Multinomial Logistic Regression and Decision Tree to classify behavior of adolescents to anticipate health, educational outcomes of adolescent and attained AUC of 0.78

Wild Blueberry Yield Prediction | Python

October 2022 - November 2022

- Analyzed the data generated from wild blueberry pollination simulation model to develop a prediction model to estimate the yield
- Utilized Python to implement end-end machine learning frameworks and attained R^2 score of 0.98 with Random Forest

Road Traffic Accident Severity Prediction | Python

September 2022 - October 2022

- Developed Accident Severity detection model on the dataset collected from Addis Ababa Sub-city police departments
- Cleaned, Interpreted and Visualized the data leveraging Python and upsampled the data using SMOTE
- Designed models like Decision Tree, Random Forest, XgBoost and got the accuracy of 0.86 with Decision Tree and Hyperparameter Tuning

Site Energy UI Prediction | Python

August 2022 - September 2022

- Utilized the Kaggle data containing building characteristics and energy usage for data analysis and performed Regression using Xgboost and Random Forest(RF) to forecast the Site Energy EUI with Xgboost RMSE of 49 and RF RMSE of 50