

# SHREYAS SUNKU PADMANABHA

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## EDUCATION

**The George Washington University**, Washington, D.C.

**Aug 2022 — May 2024**

**Master of Science in Data Science**

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

*Relevant Coursework:* Data Science, Data Mining, Data Warehousing, Viz using Tableau, Time Series, Neural Networks

**Dayananda Sagar Academy of Tech.**, Bengaluru, India

**June 2016 — Aug 2020**

**Bachelor of Engineering in Electronic and Communication Engineering**

*Relevant Coursework:* Linear Algebra, Statistics, Probability

## TECHNICAL SKILLS

**Programming Languages & Tools:** Python, R, SQL, Microsoft Excel, Microsoft Word

**Machine Learning & Applications:** Data Preprocessing, Data Visualization, Supervised and Unsupervised Learning

**Software and Analytics Tools:** Tableau, Jupyter Notebook, R Studio, MySQL

**Certifications:** IABAC Certified Data Scientist

## RELEVANT EXPERIENCE

**Rubixe, India — Data Science Intern**

**Aug 2022**

- Collaborated with an intern team of four to work on various Machine-Learning modelling and data visualizations
- Accomplished 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

**Cognizant Technology Solutions, India —Programmer Analyst**

**Dec 2020 — Jul 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, India —Programmer Analyst**

**Dec 2020 — Jul 2022**

- Gained knowledge and worked along great minds in field of SQL, Python, Web in Cognizant
- Formulated an application for purchase of products and Utilized Relevant Data for Exploration, analysis using SQL

## TECHNICAL PROJECTS

**The Effect of Adolescent Behavior on Health and Educational Outcomes** | Python

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

**Wild Blueberry Yield Prediction** | Python

- Analysed data generated from blueberry pollination simulation model to develop a prediction model to estimate yield
- Utilized Python to implement end-end machine learning frameworks and attained R<sup>2</sup> score of 0.98 with Random Forest

**Road Traffic Severity Prediction** | Python

- Developed Accident Severity detection model with accuracy of 0.86 with decision Tree and Hyperparameter Tuning on the dataset collected from Addis Ababa Sub-city police departments to classify severity of Accident
- Cleaned, Interpreted and Visualized the data leveraging Python and upsampled the data using SMOTE

**Site Energy UI Prediction** | Python

- Forecasted Site Energy EUI using Data analysis and achieved RMSE of 50 using Random Forest Algorithm based on Building Characteristics and Energy Usage

**Covid-19 Exploration and Visualization** | SQL, Tableau

- Administered Data Cleaning and Exploration using SQL to craft views and tables and Facilitated Dashboard on Tableau

**Food Sales Dashboard Using Excel** | Excel

- Leveraged Excel to Create effective visualizations/Dashboards to examine geographical, and behavioural pattern of sales