# Vishal Srinivas Ramesh

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## EDUCATION

**University at Buffalo, The State University of New York** **AUG 2023–MAY 2025**

*MASTERS IN DATA SCIENCE* *CPGA:3.4/4*

*Coursework: Statistical Data Mining I & II in R, Programming and Database fundamentals for Data-Scientists, Probability Theory and Numerical math for Data-Scientists, Introduction to Machine Learning, Data Models Query Language, Data Intensive Computing, Data Visualization and Problem-Solving with data structures and algorithms in python.*

**Sri Sairam Engineering College, Chennai, India** **AUG 2018-JUN 2022**

*BACHELOR OF ENGINEERING IN COMPUTER SCIENCE* *CGPA: 7.9/10.00*

## WORK EXPERIENCE

***PROGRAMMER ANALYST TRAINEE(FULL-TIME), COGNIZANT, Chennai, India*** **DEC 2022-JUL 2023**

- Employed as Quality and Assurance engineer in Cognizant and was a part Macy's Inc team.
- Part of a team involved development of e-commerce website for the retail store giant.
- Dealt with verifying and analysing of code and script does what is supposed to do with cloud management tools.
- Used SQL queries and cloud resources to a vast extent in order to verify each stage of an order.

**Tools Used:** Intelli-j for script creation in cloud basis. Postman tool for creation of script for manual testing & cloud storage. D-beaver for comprehensive data management & SQL tools for cloud data sources.

***PROGRAMMER ANALYST TRAINEE(INTERN), COGNIZANT, Chennai, India*** **FEB 2022 – JUL 2022**

- Trained in the concepts of MySQL (Pg-Admin), handling cloud resources, html & xml, functional testing, Java programming fundamentals, Spring core, Web UI, SQL Microservices, Selenium and Automation.

**Tools Used:** Eclipse, Postman, My SQL/D-beaver.

## TECHNICAL SKILLS

**Programming languages:** Python, SQL, Java, C-Programming.
**Data-Analysis & Tools:** Jupyter-Notebook, VS Code, Tableau, MATLAB, R Studio, Microsoft Excel
**Database Management:** Pg Admin, PostgreSQL
**Big Data Technologies:** Hadoop, Apache Spark

## PROJECTS

**Crypto-Currency Price Prediction using Machine Learning**

- Part of a team of three members in a collaborative effort to predict prices of major cryptocurrencies such as Bitcoin, Ethereum, Matic, and others. Utilized extensive time series datasets, encompassing historical price data and other relevant factors, to construct a robust prediction model.
- Employed advanced machine learning techniques and statistical analysis to uncover patterns and relationships within data. Leveraged the Facebook Prophet algorithm, a tool specifically designed for time series forecasting, to achieve a significant accuracy of 0.85.

**Diabetes Disease Prediction using Machine Learning**

- Collaborated with a three members team in-depth early detection of diabetes and devising impactful mitigation strategies. Developed robust predictive model for diabetes detection using machine learning algorithm specifically Random Forest.
- Took initiative in identifying and fine-tuning necessary parameters to increase accuracy level of model. Delivered a desirable accuracy of 0.78, indicating effectiveness of the Random Forest algorithm in predicting diabetes level.

## PUBLICATION

**[1] Crypto-Currency Price Prediction Using Machine Learning** [**Paper**]