

Venkata Karthik Varma Sagi

sagikarthikvarma@gmail.com | [linkedin.com/in/karthik-varma-sagi](https://www.linkedin.com/in/karthik-varma-sagi) | github.com/KVingh

Professional Summary: - Dynamic and adaptable engineering professional eager to contribute to high-impact technical projects and drive future innovation, with practical experience in DevOps. Dedicated to advancing in the field and driving impactful data-driven solutions.

Skills

- Programming Skills: Python, MATLAB, R, Java, C, SQL, Git
 - Web Technologies: HTML, CSS, JavaScript, JSON, jQuery, REST
 - Tools: MySQL, Microsoft power BI, Git bash, Jenkins, Ansible Tower, RDBMS, Docker, Selenium, Jira, Linux
 - Technical Problem Solving, Communication, Collaboration, Time Management, Leadership, and Initiative
-

Experience

Accenture Solution Private Limited, India

September 2021 - December 2022

Application Development Associate

- Led DevOps Engineer role, optimizing Continuous Deployment onboarding processes.
- Developed predictive models using Python and SQL to assess credit risk and identify potential fraudulent activities, enhancing the bank's risk management strategies.
- Collaborated with the risk management team to analyze large datasets and provide actionable insights to mitigate financial risks.
- Improved process efficiency by **50%** through automated application deployment using Git bash, Bitbucket, Jenkins, Ansible Tower, XLR
- Demonstrated proficiency by completing the Introduction to Metaverse Training, hands-on experience in AltspaceVR and Unity

iVIS International Private limited, India

February 2021 - April 2021

Junior Engineer Intern

- Collaborated with Production, System Configuration, and Quality Assurance teams, leading to streamlined processes and increased productivity.
- Improved product quality by identifying and resolving **15** critical issues through thorough quality assurance testing.

Additional Experience

University of Massachusetts Dartmouth, Dartmouth, MA

September 2023 - Present

Career Ambassador

- Mentor students in enhancing resumes and cover letters and cultivating job search success.
 - Guide peers toward securing internship and employment opportunities.
 - Support Career Center events and initiatives.
-

Education

University of Massachusetts Dartmouth, Dartmouth, MA

Expected May 2024

Master's in Data Science, GPA: 3.85/4.0

Vignan's Foundation for Science, Technology and Research (Deemed to be University), India

May 2021

Bachelor of Technology in Electronics and Communication Engineering, Minor: Robotics, GPA: 3.3/4.0

Significant Project Work

Data Analysis and Insights from Global Terrorism Database ([GitHub](#)) | MTH 522 - Advanced Mathematical Statistics

- Conducted data analysis to manage a dataset with **27%** null values, ensuring data quality and reliability.
- Skillfully categorized terrorist attacks into major, minor, and small categories by evaluating casualty counts.
- Made significant contributions to terrorism research by analyzing the Global Terrorism Database, uncovering valuable trends and patterns.

Credit Card Fraud Detection ([GitHub](#)) | Independent project

- Successfully determined the fraudulence of new credit card transactions by modeling historical credit card transactions.
- Utilized neural networks, logistic regression, and decision trees to construct robust fraud detection models through in-depth analysis of credit card transaction data.