SMIT BABARIYA

Data Science | AI | Cyber security

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As a recent graduate with a focus on data science and cybersecurity, I am excited to leverage my skills and knowledge to drive innovation and solve complex problems in these dynamic fields. Through my coursework and projects, I have developed a strong foundation in programming languages and data analysis, as well as knowledge of cybersecurity concepts, I am eager to apply my skills to drive innovation and solve complex problems. As a quick learner and a collaborative team member, I am committed to delivering meaningful results that have a real- world impact.

EDUCATION

B.E. in Computer Engineering

Sarvajanik College of Engineering & Technology

06/2019-06/2023   CPI :- 8.41

Work Experience

SDE intern

Bosonq Psi   08/2021-10/2021

Bosonq Psi is quantum software Company that deals with Multiphysics simulation in various industry verticals.

Achievements/Tasks

- Design and execute well-engineered, easy-to-maintain, reliable and bug-free code for various applications with my mentor and other fellow engineer.
- Design, test and deploy new quantum algorithm to add-up functionality into platform that uses to solve various simulation problems.
- I worked in an agile work environment that emphasized collaboration, flexibility, and adaptability. The team followed an iterative and incremental approach to software development, with regular feedback and continuous improvement.

Skills

- C++ • Linux • python • Data science
- Cyber security • Software development
- Agile methodologies • Machine learning
- Deep learning • Google cloud
- Natural language processing
- DSA

PROJECTS

Wild Fire Detection Using Image Processing

- The captured images are then processed using image segmentation and feature extraction techniques to detect areas of high temperature and smoke. The system also utilizes machine learning algorithms to classify the detected areas as either a wildfire or a false alarm.
- The project helped to improve early wildfire detection and response. which is critical for mitigating the damage caused by wildfires.

Network Intrusion Detection Using TensorFlow

- The system utilizes a dataset of network logs to identify anomalous behavior, such as unusual network traffic, unauthorized access, and malware activity.
- I have tried various deep learning approaches to detect anomalous patterns in the network logs, and is able to detect anomalies in real-time.

Osquery Extension in Golang

- In this project, I developed an osquery extension in golang to collect and query system data from a variety of endpoints. The project involved designing and implementing the extension architecture. developing and fine-tuning the golang code, and testing the extension with osquery.
- The project helped to improve the efficiency and effectiveness of system administration by providing a flexible and extensible tool for system data collection and analysis.

CERTIFICATES

30 days of Google Cloud

Deep Learning Specialization

Tensorflow Specialization