

GANGILI SAI CHARAN

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SUMMARY

Pursuing a Master's in Data science with 2 years of software development and data analysis. Worked on B2B Security exploiting application development and Data resource allocation. Proficient in Python, R, SQL, Power BI, Excel, and Tableau. Skilled in Data Extraction and Data Visualization. Strong academic background in Python, no-SQL and statistics. Holds Certifications in Python, and SQL.

EDUCATION

Master's, Data Science

Illinois Institute of Technology, Chicago, IL

Graduating May 2025

3.33 GPA

Relevant coursework: Machine Learning, Big Data, Snowflake, PowerBI

TECHNICAL SKILLS

Languages and Platform: Python, Java, C, Azure DevOps, Azure

Concepts: Object Oriented Programming(OOPS), Functional Programming, Singleton, Decorator

DevOps: CI/CD, GIT, Linux, Agile Methodologies, Scrum, Jira, Shell

Cloud and Web Technologies: RESTful API, HTML, CSS, JavaScript

Databases and Big Data: PostgreSQL, MySQL, MongoDB, Redis, Kafka

Lib/Frameworks and IDE's: Flask, Django, FastAPI, VTAF2, VS Code, PyCharm, Jupyter Notebook

Python and Machine Learning: NumPy, Pandas, Matplotlib, Alembic, Faker, seaborn, Sci-kit Learn, TensorFlow

Software Development and Tools: Data Structures, Algorithms, Docker, OWASP ZAP, Splunk

PROFESSIONAL EXPERIENCE

CognitivZen Technology PVT LTD, Hyderabad, TG: Associate Software Engineer

Jul 2021 – Jul 2023

- Implemented Agile methodologies, Azure DevOps, Git and CI/CD for Azure projects, utilizing Python expertise.
- Led end-to-end development, creating RESTful APIs, and optimizing databases for peak performance.
- Utilized Python for data analysis with applied machine learning, deploying applications via Docker. Ensured security compliance using OWASP ZAP and Splunk.

ACADEMIC PROJECTS

Deep Neural Network with Residual Connections for Image Classification

Nov 2023 – Dec 2023

Collaborated with a team of three to design a model of custom residual connections for image classifications.

- Revamped neural networks (ResNet50, VGG19, and custom models) by tackling gradient challenges.
- Orchestrated data analysis, and model training, achieved performance gains and communicated success.

MD.Xplatform.Kaptaan Mac Cloud Inventory – Microsoft

Dec 2022 - Mar 2023

Teamed up with colleagues to design, manage, and deploy Mac OS on Azure cloud.

- Orchestrated Kaptaan inventory system, implemented RBAC, integrating agents for Effortless oversight.
- Enhanced Azure Service Bus communication, and honed SQL operations for improved data management.

WAS (Web attack Simulator) – Virsec

Jun 2021 - Dec 2022

Spearheaded a team of five to develop a vulnerability exploit for in-house Virtual Security (VirSec) project.

- Analyzed URL data and generated detailed reports for security applications CVSS-rated vulnerability assessments.
- Reduced CI app complexity by 40% through proactive teamwork and effective communication.

ACTIVITIES

- Published journal on "Implementation of home security system deep learning process for security application".
- Received an Appreciation letter from EVP for delivering critical tasks within a short deadline with 100% efficiency.