

Venkata Sai Polaswamy

224-688-0476 | polaswamyvenkatasai8055@gmail.com | [LinkedIn](#) | Macomb, IL

PROFESSIONAL SUMMARY

Data Scientist with 2.5 years of experience in Data Science and Machine Learning. I specialize in deriving impactful insights through advanced statistical methods and ML algorithms. Skilled in managing projects from ideation to deployment, I ensure alignment with business objectives and drive measurable results. Experienced in collaborating with cross-functional teams and communicating technical findings to stakeholders. Committed to continuous learning, I stay ahead of industry trends and am eager to leverage my expertise to drive business outcomes in a dynamic environment.

WORK EXPERIENCE

W3Softech India Private Limited (Client: Virtusa) | Software Engineer | Junior *Data Scientist* | *Hyderabad, India* Jan 2021 – July 2023

- Created and implemented machine learning models for risk management in the healthcare industry, enhancing both operational effectiveness and patient safety.
- EDA, feature engineering and data pretreatment used to evaluate and improve the quality of the data.
- Utilizing **Python, SQL, Pandas**, and **AWS**, predictive analytics solutions were developed to maximize data-driven decision making.
- To produce relevant business insights, I worked with cross-functional teams to evaluate both structured and unstructured data.

PROJECTS

Patients Risk Management: Healthcare Domain

Risk management within the healthcare industry, which is crucial for clinical and administrative functions. The primary goal was to detect, monitor, assess, mitigate, and prevent risks that could impact patient safety or operational efficiency.

- Analysis of data files which are received from multiple clients.
- Made predictions for the clients based on the data received according to the client's requirements and specific needs.
- Perform analysis to assess the quality of the data which determine the meaning of the data, and provide data facts and insights.

Clinical Summary of Patients: Healthcare Domain

Provides a critical document to patients after their visit to healthcare provider with all the relevant information and instructions containing the patient name, providers contract information, date and location of visit, an updated medication list, updated vitals, procedures and other instructions based on the discussions that took place during the office visit, any updates to the patient problems list, immunizations or medications administered during the visit.

- Explore insights from the dataset means which factors are affecting the features.
- Created code for going data in Dynamo Db.
- Analyzing large amounts of data of both structured and unstructured to identify the trends, patterns, and solutions.
- Enhancing the analysis to include all the relevant information.

SKILLS

Programming & Databases: Python, Java, SQL

Data Analysis & Processing: Pandas, NumPy, Feature Engineering

Business Intelligence & Visualization: Power BI

Cloud & Tools: Jupyter Notebook, AWS (S3, DynamoDB)

EDUCATION

Western Illinois University | *Master of Science in Computer Science*

Aug 2024 - **Present**

Artificial Intelligence, Advanced Artificial Intelligence and Database Management Systems

GPA: 3.54/4.0

Rajiv Gandhi Institute of Technology | *Bachelor of Technology*

Aug 2018 - May 2022

CERTIFICATIONS

- Artificial Intelligence Certification with Python by **Harvard University**
- Core Java Certification at Naresh i Technologies, a reputed institute in Hyderabad, India