

Panita Vaishnavi Kanaguduru

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PROFESSIONAL SUMMARY

Versatile **Data Analyst** and **Software Developer** with expertise in **data visualization**, **statistical analysis**, and **building robust APIs**. Skilled in **Python**, **SQL**, and **Power BI**, with a proven track record of improving API performance by **40%** and delivering **85% accurate predictive models**. Passionate about combining software development and data-driven solutions to solve complex business challenges.

EDUCATION

University of Central Florida

M.S. in Statistics & Data Science, GPA: 3.5

Aug 2024 – Present

Oviedo, FL

Sree Vidyanikethan Engineering College

B.S. in Electrical and Electronics Engineering, GPA: 8.01

Aug 2019 – May 2023

Tirupati, India

EXPERIENCE

Software Developer – .NET

July 2023 – July 2024

SOTI Private Limited

Kerala, India

- Designed and deployed **RESTful APIs** with custom branding and **accessibility features**, improving UX.
- Enhanced API efficiency, reducing **downtime by 40%** and optimizing load performance.
- Developed **scalable, security-compliant backend solutions** and improved front-end accessibility.

Salesforce Developer Intern

July 2022 – Sep 2022

Remote

Tirupati, India

- Developed Salesforce **Apex classes, triggers, and Visualforce pages** for automation.
- Integrated Salesforce with external APIs, reducing manual data entry errors by **30%**.

PROJECTS

Credit Card Fraud Detection Dashboard | *Python, SQL, Power BI*

- Developed an **end-to-end fraud detection dashboard** analyzing transaction anomalies.
- Implemented **SQL-based ETL** for preprocessing, improving query efficiency.
- Integrated **machine learning classifiers** to enhance fraud detection accuracy.

Hospital Management System | *Angular, Node.js, MySQL, JWT*

- Designed and implemented modules for **patient registration**, doctor scheduling, and appointment management.
- Integrated **real-time availability tracking** to minimize scheduling conflicts.

Diabetes Risk Prediction Models | *Python, Pandas, NumPy*

- Designed a **Logistic Regression and Random Forest pipeline**, achieving **85% accuracy**.
- Performed **exploratory data analysis** to refine model performance and visualization.

TECHNICAL SKILLS

Programming Languages: Python, SQL (MySQL, Oracle), R, JavaScript, HTML/CSS, C#

Frameworks and Tools: React, Node.js, FastAPI, Bootstrap, web development

Libraries: pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, PySpark

Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, Anaconda

Data Analytics and Visualization: Business Intelligence, Data Preparation, Data Modeling, Tableau, Power BI, Snowflake, SaaS, Excel, Data Warehousing, XML, ETL, SAS

CERTIFICATIONS

IBM - Data Science Professional Certificate

NPTEL - Database Management Systems

Salesforce - Salesforce Developer Catalyst

Verzeo - Machine Learning Using Python

LEADERSHIP & ACTIVITIES

NSS Volunteer (2019-2022) - Led community-driven initiatives and events.