

# 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

### Database Administrator (Migration Planning)

Apr 2025 – May 2025

*UCF CARD Services (PALS)*

*Orlando, FL*

- Initiated documentation for migration from **FileMaker Pro** to **Salesforce CRM**, including data structure analysis and field mapping plan.
- Collaborated with the President of PALS to align Salesforce CRM setup with CARD's automation and reporting goals.

### 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

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

**Data Analytics and Visualization:** Business Intelligence, Data Preparation, Predictive analytics, natural language processing, Data Modeling, Tableau, Power BI, deep learning, Snowflake, SaaS, Excel, Data Warehousing, XML, ETL, Business analytics, 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.