

# Panita Vaishnavi Kanaguduru

689-249-6405 | [panitakanaguduru.18@gmail.com](mailto:panitakanaguduru.18@gmail.com) | [linkedin.com/in/panitak](https://www.linkedin.com/in/panitak) | [github.com/panitakanaguduru](https://github.com/panitakanaguduru) | [Portfolio Website](#)

## PROFESSIONAL SUMMARY

Versatile **Data Analyst** and **Software Developer** with expertise in **data visualization**, **machine learning**, and scalable **.NET backend development**. Proficient in **Power BI**, **Python**, **SQL**, **Azure**, and skilled at turning data into insights. Proven success in fraud detection, automation, and dashboarding.

## EDUCATION

<b>University of Central Florida</b> <i>M.S. in Statistics &amp; Data Science, GPA: 3.5</i>	Aug 2024 – Present <i>Oviedo, FL</i>
<b>Sree Vidyanikethan Engineering College</b> <i>B.S. in Electrical and Electronics Engineering, GPA: 8.01</i>	Aug 2019 – May 2023 <i>Tirupati, India</i>

## EXPERIENCE

<b>University of Central Florida</b> <i>Academic Coach &amp; Technical Contributor – Project BEST</i>	May 2025 – Present
• Redesigned the <b>Project BEST website</b> using <b>WordPress</b> , <b>Gutenberg blocks</b> , <b>Bootstrap</b> , and responsive design while supporting students with academic coaching and study strategies.	
<i>Database Administrator (Migration Planning)</i>	Apr 2025 – May 2025
• Initiated documentation for migration from <b>FileMaker Pro</b> to <b>Salesforce CRM</b> , 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.	
<b>SOTI Private Limited</b> <i>Software Developer – .NET</i>	Kerala, India July 2023 – July 2024
• Worked on <b>accessibility enhancement tasks</b> to ensure compliance with usability standards and improve user experience across key modules.	
• Implemented <b>custom branding support</b> by building APIs and backend logic to define and store default and user-defined button styles for the company's web-based products.	
• Built backend logic to support <b>certificate renewal configurations with a 100-year validity period</b> , ensuring long-term platform stability and uninterrupted service.	

## PROJECTS

<b>Credit Card Fraud Detection Dashboard</b>   <i>Python, SQL, Power BI, Random Forest</i>
• Built a fraud detection model (Random Forest) with <b>87% accuracy</b> on 285K transactions.
• Created and plotted interactive visuals in <b>Power BI</b> , including fraud indicators and trends.
• Saved predictions to <b>MS SQL Server</b> using SQLAlchemy; plotted <b>feature importance</b> and correlations.
<b>Diabetes Risk Prediction</b>   <i>Python, Logistic Regression, Random Forest, EDA</i>
• Performed <b>exploratory data analysis</b> and built classification models to predict diabetes risk.
• Achieved over <b>85% accuracy</b> using <b>Logistic Regression</b> and <b>Random Forest</b> .
• Visualized correlations, class distributions, and ROC curves to assess model performance.
<b>Hospital Management System</b>   <i>Angular, Node.js, MySQL, JWT</i>
• Built a role-based hospital portal with modules for <b>patient registration</b> , appointment scheduling, and doctor management.
• Implemented <b>real-time availability tracking</b> to reduce booking

## TECHNICAL SKILLS

**Programming Languages:** Python, SQL (MySQL, Oracle), R, JavaScript, HTML/CSS, C#  
**Frameworks and Tools:** React, Node.js, FastAPI, Bootstrap, .NET Core, JWT, REST APIs, Salesforce  
**Libraries:** pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, XGBoost, TensorFlow, NLP, PySpark  
**Developer Tools:** Git, VS Code, Visual Studio, Jupyter, Anaconda, Postman  
**Cloud Platforms:** Microsoft Azure, Google Cloud Platform (GCP)  
**Data Analytics and Visualization:** Power BI, Tableau, Excel, KPIs, Predictive Analytics, Data Preparation, Business Intelligence, Data Modeling, Data Warehousing, ETL, XML, Data Studio, Snowflake, SAS, SAAS  
**Other Skills:** Business Analytics, Product Analytics, Product Management, Problem Solving, Critical Thinking, Communication Skills, Presentation Skills

## CERTIFICATIONS

<b>IBM</b> - Data Science Professional Certificate	<b>Salesforce</b> - Salesforce Developer Catalyst
<b>NPTEL</b> - Database Management Systems	<b>Verzeo</b> - Machine Learning Using Python

## LEADERSHIP & ACTIVITIES

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