# NIKITHA PILLA

[nikithap501@gmail.com](mailto:nikithap501@gmail.com) | 91-9381181635 | Linkedin | Github

## SUMMARY

Data Analyst with a Computer Science background and hands-on experience through academic and project-based work in data analysis and machine learning. Skilled in Python, SQL, Excel, and exploratory data analysis. Built regression and classification models, AI-based applications, and automation workflows to solve practical problems.

## TECHNICAL  SKILLS

- **Programming:** Python (NumPy, Pandas), SQL.
- **Data Analysis & Statistics:** Exploratory Data Analysis(EDA), Statistical Analysis, Data Cleaning & Preprocessing.
- **Data Science & AI:** Regression, Classification, Scikit-learn, Feature Engineering (basic), RAG-based applications.
- **Business Intelligence & Visualization:** Power BI, Excel, Data Visualization
- **Automation**: n8n (Workflow Automation, API integrations).
- **Tools:** Git and GitHub, VS Code.

## PROJECTS

### Data Science Projects
### AI-Powered IVF Support Chatbot (RAG-based)

- Built a chatbot using a RAG pipeline to retrieve and generate domain-specific responses.
- Integrated APIs and optimized prompt logic for improved response accuracy.

### Optimization of Solar Power Generation

- Developed a predictive model to forecast solar energy output.
- Performed data preprocessing and model evaluation to improve forecasting reliability.

### Automation Workflows using n8n

- Automated certificate generation and email delivery using Google Sheets data.
- Built WhatsApp messaging and AI-based email automation workflows using APIs.

### Academic Projects
### Secure Data Sharing in Mobile Cloud Computing

- Designed a secure framework for mobile-to-cloud data transmission using encryption and vulnerability analysis techniques.

### Cosmic Snap – NASA API Web App

- Developed a web application integrating NASA APIs to retrieve and dynamically render historical astronomical images based on user input.

## CERTIFICATES

- Python **-** Infosys Springboard
- Python, SQL, Power BI, Data Science - 360DigiTMG
- AI-based Solar Power Optimization - 360DigiTMG

## EDUCATION

- **B.Tech in CSE**, Srinivasa Institute of Engineering & Technology , 2021–2025 | CGPA: 8.04
- **Intermediate (MPC)**, Narayana Junior College , 2019–2021 | CGPA: 9.28
- **SSC**, Vignan EM School, 2019 | CGPA: 9.20