

KEERTHANA PULAKANI

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TECHNICAL SKILLS

Programming: Python (NumPy, Pandas, Matplotlib), SQL (Joins, CTEs, Subqueries, Optimization)

Data Analytics: Data Cleaning, EDA, Statistical Analysis, KPI Tracking, Business Insights

Tools: Power BI, Excel (Pivot Tables, Dashboards), Git, VS Code, Jupyter Notebook

Soft Skills: Logical Thinking, Analytical Reasoning, Data Storytelling, Communication

PROJECTS

Netflix Clone — React.js, Node.js, Express.js, MongoDB — Jan 2025 – Mar 2025

- Developed a full-stack Netflix-style web app with secure login, personalized dashboards, and movie data via TMDB API.
- Implemented JWT authentication, lazy loading, and modular components for faster performance and scalability.
- Increased page load efficiency by 35% through optimized state management and caching.

Speed Typing Test — HTML, CSS, JavaScript — Dec 2024 – Feb 2025

- Created a responsive web app to measure typing speed and accuracy in real time.
- Designed a clean UI and optimized DOM rendering, reducing input lag by 40%.
- Integrated leaderboard tracking and progress insights to boost user engagement.

Data Cleaning & Visualization — Python, Pandas, Matplotlib, SQL — Aug 2024 – Oct 2024

- Processed and visualized 100k+ records to uncover business insights using Python and SQL.
- Built automated scripts to clean datasets, saving 60% manual effort.
- Created Power BI dashboards to translate KPIs into interactive visuals for decision-making.

IoT-Based Smart AgriShield — Arduino, Sensors, Python, ThingSpeak — Apr 2024 – Jul 2024

- Engineered a precision agriculture system monitoring soil moisture and temperature in real time.
- Integrated IoT sensors with cloud analytics to predict irrigation needs and reduce water waste by 25%.
- Presented at InnovateHer Hackathon, ranked Top 5/200+ teams for impactful innovation.

Personal Finance Tracker — Python, Streamlit, SQLite — Jan 2024 – Mar 2024

- Built a finance tracking dashboard for users to log expenses, visualize budgets, and set savings goals.
- Linked SQLite database with Streamlit UI for real-time updates and analytics.
- Enhanced performance by indexing queries, improving data retrieval by 50%.

EDUCATION

Sumathi Reddy Institute of Technology for Women (SRITW), Warangal
B.Tech in Electronics & Communication Engineering

2022 – 2026

Relevant Coursework: Database Management, Statistics, Machine Learning, Data Visualization

Nxtwave CCBP 4.0 Academy

Jul 2022 – Present

Full-Stack & Data Analytics Program — Completed 75% of *Programming Foundations (Python)* & *Introduction to Databases (SQL)*.

CERTIFICATIONS

- Programming Foundations (Python) – CCBP 4.0 Academy
- Introduction to Databases (SQL) – CCBP 4.0 Academy
- Data Visualization with Power BI – Microsoft Learn
- Applied Data Engineering with Python – Coursera

ACHIEVEMENTS

- Finalist – InnovateHer Hackathon (Top 5/200+ teams) for IoT–data analytics solution integrating predictive models.
- Recognized at NxtWave for excellence in SQL design, debugging, and data-driven visualization.
- Maintained 90%+ accuracy across analytics projects by validating data integrity and process efficiency.
- Delivered technical presentations simplifying complex datasets into actionable insights.
- Guided peers in Python EDA, Power BI dashboarding, and SQL performance tuning.