

KEERTHANA PULAKANI

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TECHNICAL SKILLS

Programming: Python, SQL

AI & ML: Machine Learning, Deep Learning, NLP, Generative AI, LLMs, Prompt Engineering, RAG Pipelines, LangChain, Agents

Frameworks & Libraries: Flask, TensorFlow, scikit-learn, Pandas, NumPy

Cloud Platforms: AWS, GCP, Azure

Data Tools: Jupyter, Matplotlib, Data Preprocessing, Model Evaluation, Feature Engineering

Version Control & APIs: Git, RESTful APIs

PROJECTS

- **ATS Resume Analyzer (Python + Flask + NLP)** – Developed an NLP-driven Flask web app to analyze resumes for keyword optimization and ATS compatibility; achieved 90% accuracy in keyword extraction and improved job-matching efficiency.
- **Smart AgriShield (IoT + ML)** – Designed an IoT-based smart farming solution that predicted rainfall and soil conditions using ML regression models; reduced grain spoilage by 50% and ranked Top 5 in Innovate Her Hackathon (200+ teams).
- **School Management App (Full Stack)** – Built a student-teacher management system with Flask, MySQL, and REST APIs; automated attendance, grades, and reports, reducing manual workload by 40%.
- **Netflix Clone (React + API Integration)** – Recreated Netflix's core UI and API-based movie catalog; optimized lazy loading and reduced rendering delay by 30%.
- **Counter App (React.js)** – Created an interactive web app to track counts dynamically using React state management; served as a base component for dashboard-level analytics.

EDUCATION

Sumathi Reddy Institute of Technology for Women (SRITW), Warangal

2022 – 2026

B.Tech in Electronics & Communication Engineering

Relevant Coursework: Machine Learning, Deep Learning, Cloud Computing, Data Science, Python Programming, Algorithms, Database Systems

Nxtwave Disruptive Technologies

Jul 2022 – Ongoing

CCBP 4.0 Academy – Industry-Ready Certification in Full-Stack & AI Development (75% + Completion)

CERTIFICATIONS

- Machine Learning Foundations – Coursera
- Generative AI with LangChain – DeepLearning.AI
- Python Foundations – NxtWave Academy
- Cloud Fundamentals (AWS, GCP, Azure) – NxtWave Academy

ACHIEVEMENTS

- Top 5 Finalist – Innovate Her Hackathon for AI-based IoT project Smart AgriShield.
- Recognized for technical leadership and innovation in AI-driven automation projects.
- Presented paper on “Generative AI for Agritech Automation” at college tech symposium.