

# MONASRI M

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## CAREER OBJECTIVE

Aspiring AI & Data Science student passionate about building scalable, efficient, and intelligent systems. Skilled in Python, Java, JavaScript, and cloud-based frameworks, with hands-on experience in backend development, APIs, and AI-powered automation. Eager to contribute to impactful solutions through clean code, innovation, and collaboration.

## SKILLS

**Languages:** Python, Java, SQL, JavaScript (Basic), R (Basic)

**Tools:** Excel, Power BI, Kaggle, Docker, Git, GitHub, Jira, Selenium, Postman, n8n, UiPath, MongoDB, GCP

**Soft Skills:** Team Collaboration, Agile mindset, Analytical thinking, technical writing & Documentation

## PROJECT EXPERIENCE

### Business Plan Generator using Fine-Tuned LLaMA

**Tech Stack:** Python, LLaMA, Streamlit, LangChain, Pinecone, Excel, FastAPI, Postgres

- Developed an AI tool for automated business plan generation with market and financial insights.
- Fine-tuned LLaMA using LangChain and Hugging Face for business intelligence.
- Achieved 70% faster drafting with Excel-ready customizable outputs.

### Multi-Agent Automated GitHub PR Review System

**Tech Stack:** Python, FastAPI, Streamlit, LangChain, CrewAI, GitHub API

- Engineered a CrewAI-orchestrated multi-agent pipeline to analyse GitHub PR diffs for logic, readability, performance, and security issues.
- Integrated LLaMA models to produce structured inline reviews with severity tagging and actionable fixes.
- Built a Streamlit interface for real-time PR evaluation and consolidated review outputs.

## INTERNSHIP EXPERIENCE

### Solar Power Output Prediction System | AI/ML Intern | Edunet – AICTE & Shell India

**Tech Stack:** Python, Scikit-learn, Pandas, NumPy, Matplotlib

- Built regression models (Linear Regression, Random Forest) to predict solar output ( $R^2 = 0.91$ ).
- Improved forecasting accuracy by 75% for sustainable energy optimization.
- Utilized Python and Scikit-learn for data preprocessing and model training.

## EDUCATION

### B. Tech AI and Data Science CGPA: 8.8

Jul 2022 – Jun 2026

CK College of Engineering and Technology, Cuddalore.

### HSC +2 with 86%

Jul 2021 – Jun 2022

St. Anne's Girls Higher secondary school, Cuddalore.

## CERTIFICATIONS & ACHIEVEMENTS

- Cloud Computing Certification with 78% – NPTEL
- Google Data Analytics – Coursera
- Python, Data Science & Machine Learning certification – Udemy
- AI Agents Certification – Udemy
- 1<sup>st</sup> prize – **Case Study Analyze** competition, IIT Madras – “Automated analysis of cloud configuration”
- 3<sup>rd</sup> prize – **Coding & Debugging** – National level Symposium – MIT Pondicherry
- **72 hours Hackathon** – VIT Chennai – Streamlined “Alumni Website for colleges”
- **UiPath Student Developer Champion** – Led RPA advocacy and student automation projects