Siri Giraddi

Graduate Software Developer | Python Developer

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PROFESSIONAL SUMMARY

Computer Science graduate with hands-on experience in Python, SQL and applied machine learning, including a data science internship where I built a house price prediction model. Currently interning on application development and REST API integration, and building DocuNexus, an NLP system that maps relationships between engineering documents. Comfortable across the stack, from data preprocessing to front-end work, and looking for an entry-level software developer or data role.

EXPERIENCE

Software Developer Intern

Sept 2026 – Present

Sidvin Outotec

- Work in the Digital Solutions department on software development initiatives that support engineering workflows.
- Develop application solutions using JavaScript and REST APIs, focusing on API integration and backend functionality.
- Contribute to solutions that improve document accessibility and cross-department coordination.

Python with Data Science Intern

Feb 2026 – May 2026

Qspiders, Bangalore

- Built a house price prediction model in Python, handling data cleaning, feature engineering and model tuning to improve prediction reliability.
- Worked with a mentor to debug and iterate on model performance, turning feedback into accuracy improvements.
- Documented the model and data processing pipeline so the work could be reproduced and reused.

PROJECTS

DocuNexus: Intelligent Document Relationship & Impact Analyzer

Python, NLP, Knowledge Graphs

- Developing an AI-powered document intelligence system that analyses multiple engineering documents to discover hidden relationships and interdependent information.
- Implementing semantic similarity, dependency mapping and knowledge graph visualisation to show how documents connect.
- Building change impact analysis to flag the documents likely to be affected when a specification or its content is modified.

Algorithmic Trading System

Python, Pandas, NumPy, Matplotlib

- Built a Python system that predicts stock market trends and simulates automated trading decisions from historical market data.
- Engineered data pipelines with Pandas and NumPy to clean, manipulate and analyse time-series datasets.
- Implemented backtesting logic to validate strategy performance and calculate risk-reward ratios.
- Designed visualisations with Matplotlib to illustrate trading signals, market volatility and performance metrics.

EDUCATION

B.E. in Computer Science and Engineering — 8.1 CGPA — 2022 – 2026

Jain College of Engineering & Technology, Hubballi

SKILLS

- **Languages:** Python, C, JavaScript, SQL
- **Data Science & ML:** Pandas, NumPy, scikit-learn, Matplotlib, Data Preprocessing, NLP, spaCy, NetworkX, ML Fundamentals
- **Web & Databases:** HTML, CSS, JavaScript, Streamlit, REST APIs, MySQL, SQL Querying & Joins
- **Fundamentals:** Data Structures & Algorithms, Semantic Similarity, Knowledge Graphs
- **Tools:** Git / GitHub, VS Code, Jupyter Notebook, MS Excel

CERTIFICATIONS

- Cybersecurity Analyst Job Simulation (2025)
- Applied Machine Learning (2026)