

Raksha Sinha

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SUMMARY

Software developer in training with experience developing full-stack web applications and data-driven solutions using React, Flask, Python, and SQL, focused on building reliable, real-world systems.

EDUCATION

K.R. Mangalam University, Gurugram

2023 – 2027

Bachelor of Technology in Computer Science with specialization in AIML

- Relevant Coursework: Data Structures and Algorithm, Object Oriented Programming, Databases, Operating System

SKILLS

Languages: Java, JavaScript, HTML, CSS, Python

Frameworks: React.js, Tailwind CSS, Node.js, Flask

Libraries: Pandas, NumPy, Matplotlib / Seaborn, Scikit-learn, BeautifulSoup

Databases: MySQL

Tools: Visual Studio Code, Git, Github, Vercel, Vite, Framer Motion

Soft Skills: Problem Solving, Communication Skills, Adaptability, Team Collaboration

EXPERIENCE

AI Quant Research Intern, Citesert

06/2025 – 08/2025 | Remote

- Analyzed 50,000+ rows of NSE stock movement data using Python (pandas/NumPy), extracting intraday trends and anomalies
- Automated data collection & preprocessing scripts, reducing manual effort by 40% and ensuring reproducible research pipelines
- Designed clustering pipelines to group intraday stock moves, enabling pattern recognition across 200+ NSE symbols
- Integrated LLMs (Perplexity, Gemini, Claude) for automating research tasks such as summarizing market drivers and mapping textual reasons to stock returns

PROJECTS

Trackwise, (Ongoing)

[Github Repo](#)

Tools : React, Flask, Python, Tailwind CSS, SQLite

- Developing TrackWise, a full-stack expense and budget management application that helps users track spending, categorize expenses, and monitor monthly financial goals.
- Building responsive frontend components using React and Tailwind CSS, and implementing backend APIs with Flask and SQL database for secure data storage and processing.
- Designing the system to support real-time updates, structured transaction management, and scalable backend logic while strengthening full-stack development skills.

Quick Jot - Browser-Based Note-Taking App

[Live Project](#) | [Github Repo](#)

Tools : React, Vite, CSS, Vercel

- Developed QuickJot, a lightweight browser-based note-taking app with features like starred notes, search, and bullet formatting, enabling quick and organized idea capture.
- Designed and implemented a clean, user-friendly interface using React and Vite, ensuring smooth performance without requiring user registration.

CERTIFICATIONS

Data Analysis with Python - IBM Developer Skills Network

[Certificate](#)

Big Data Engineer - IBM Career Education Program

[Certificate](#)

Machine Learning and Pattern Recognition - Samatrix

[Certificate](#)

Probabilistic Modelling and Reasoning with Python - Samatrix

[Certificate](#)