

GUNJAN KUMAR

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CAREER OBJECTIVE

Aspiring Software Engineer with a strong foundation in Java, DSA, and Python. Skilled in full-stack web development with hands-on experience in building scalable applications using React.js and Firebase. Eager to contribute to innovative projects and collaborate in dynamic tech environments.

EDUCATION

Galgotias College of Engineering & Technology, Greater Noida
Bachelor of Technology (B.Tech) in Computer Science And Design
Relevant Technical Coursework: Data Structures, Algorithms, OOPs, Computer Networks Expected July 2026

SKILLS SUMMARY

- Languages: Java, Python, SQL
- AI Tools: ChatGPT, OpenAI
- Data Structures & Algorithms, XML formats
- Web Development: HTML, CSS, JavaScript, React.js, MongoDB (ongoing)
- Tools & Technologies: Git, Github, NLP basics, VS Code, Firebase, Streamlit
- Soft Skills: Problem Solving, Effective Communication, Team Collaboration

PROJECTS

Portfolio - Optimizer <https://portfolio-optimizer-mizhzz3klaczvab24yck3p.streamlit.app/%29>

Portfolio Optimization Web Application | Personal Project

- Engineered a quantitative web tool implementing Markowitz Mean-Variance Optimization to determine optimal asset allocation, maximizing the Sharpe ratio.
- Deployed a public web application using Streamlit, featuring an interactive UI for custom stock selection and risk preference input.
- Achieved an 18.3% improvement in risk-adjusted returns (Sharpe ratio) compared to an equal-weighted benchmark portfolio.
- Tech Stack: Python, Streamlit, PyPortfolioOpt, yFinance, Pandas, NumPy, Plotly

IoT-Based Smart Irrigation System (Final Year Project- Ongoing)

- Designed a real-time Irrigation system using IoT to monitor soil ingredients.
- Implemented IoT sensors for real-time data collection and for the pH.
- Web/mobile interface for authorities to track location-based risk.
- Tech Stack: Python, Embedded Systems, IoT

CERTIFICATES

HACKEMON

SHEBUILDSCOMMUNITY/ APRIL 25-27 (2025)

Database Programming with SQL
ORACLE | Issued: DECEMBER 2024

HP POWER LAB

Hindustan Petroleum Ltd./ November 2024