NAVRAJ GIRI

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SUMMARY

Aspiring Software Engineer with strong expertise in designing and developing efficient, scalable, and user-friendly applications. Proficient in modern programming languages and web development technologies. Solid understanding of Computer Science principles including algorithms, data structures, and object-oriented design. Dedicated to applying technical skills and innovative thinking to deliver impactful software solutions.

PROJECTS

CryptoPro   [Deployed Link]

- Developed a responsive frontend using **HTML**, **CSS**, and **JavaScript** to display real-time cryptocurrency prices via the CoinMarketCap API
- Built a secure backend for wallet integration and transaction monitoring using **Node.js** and **Express.js**
- Implemented user authentication for secure portfolio tracking
- Added real-time price alerts and historical data visualization for enhanced user experience
- Deployed the application on Render for high availability.
  Technologies: HTML, CSS, JavaScript, Node.js, Express.js, CoinMarketCap API, MongoDB

Portfolio Optimization Using Fuzzy Set Logic   [Deployed Link]

- Designed and implemented a tool integrating real-time stock data with Modern Portfolio Theory (MPT)
- Applied fuzzy logic to interpret market states like "bullish" and "oversold" for enhanced decision-making
- Built an automated alert system to monitor and suggest portfolio rebalancing
- Created interactive dashboards with Plotly, Matplotlib, and Seaborn for insight visualization

Technologies: Python, Fuzzy Logic, Modern Portfolio Theory, Plotly, Matplotlib, Seaborn, Pandas

EDUCATION

BMS Institute of Technology and Management, Bengaluru   **Aug 2022 – Aug 2026**
Bachelor of Engineering in Computer Science   **CGPA: 8.30/10**

TECHNICAL SKILLS

Programming Languages:	Python, C, C++
Frontend Technologies:	HTML, CSS, JavaScript
Backend Technologies:	Node.js, Express.js
Developer Tools:	VS Code, MATLAB, Git, GitHub
Databases:	MongoDB, MySQL
CS Fundamentals:	Data Structures & Algorithms, OOP, DBMS, Computer Networks

ACHIEVEMENTS & CERTIFICATIONS

- **Winner of Hacksphere Hackathon**
- **Completed 15-Day Frontend Web Development Program** – Coursevita
- **Certified in Full Stack Development using AI** – Cuvette