

# 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 and Whale Optimization Algorithm for Indian Stocks

[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: 8.33/10

## TECHNICAL SKILLS

**Programming Languages:** Python, C, C++

**Frontend Technologies:** HTML, CSS, JavaScript, React js(basics)

**Backend Technologies:** Node.js, Express.js

**Developer Tools:** VS Code, MATLAB, Git, GitHub

**Databases:** MongoDB, MySQL

**CS Fundamentals:** Data Structures & Algorithms, OOPS, 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