Kartik Raj

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Education

Vellore Institute Of Technology   August 2023 - Present
Bachelor of Computer Science and Engineering   *Vellore, Tamil Nadu*
- **Relevant Coursework:** Data Structures and Algorithms (C++),DAA, Prob & Stat in CS (R),Matlab, DBMS, Python,Oops, Psychology, Web Programming.

Experience

Accenture North America Data Analytics and Visualization Job Simulation on Forage   December 2024
Data Analyst Intern   *Remote*
- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture.
- Cleaned, modeled and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions.
- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal stakeholders.

Bank of America Investment Banking virtual experience program on Forage   December 2024
Investment Analyst Intern   *Remote*
- Identified an ideal acquisition target for a client based on a SWOT analysis and assessment of their strategic criteria.
- Constructed a DCF model to calculate the implied equity and share value of the acquisition target.
- Completed a sensitivity analysis to illustrate how the target's valuation would change as variables change.
- Created a company profile summarizing all key information about the target.

CyberTeam   Jan 2024 – Present
Technical Lead   *Patna, Bihar*
- Directed hands-on project in ethical hacking and cybersecurity.
- Deployed 10+ project, demonstrating technical expertise in system security and automation.
- Conducted sessions on cybersecurity awareness, engaging over 300 participants.

Advertising and Marketing Club   May 2024 – Present
Management Head,Finance Lead   *Vellore, Tamil Nadu*
- Organised and led interactive marketing and advertising events.
- Managed team operations and coordinated cross-functional initiatives.
- Promoted from Senior Core Member to Management Head in recognition of leadership and strategic contributions.

Projects

Milan – Dating Web App *(MongoDB, Node.js, React, Vite, HTML, CSS, JavaScript)*   ⌗ GitHub   ↗ Live Demo

- * Developed a full-stack dating platform enabling user authentication, profile matching, and real-time chatting.
- * Implemented swipe-based like/dislike functionality for matchmaking, inspired by popular dating apps.
- * Integrated a real-time, unlimited chat feature using server–client communication with WebSockets.

Music and Chatting Telegram Bot | *API Integration, Python, Telegram API, NLP*   ⌗ GitHub   ↗ Live Demo

- * Developed a fully functional Telegram bot that allows users to play music and videos during voice/video chats.
- * Integrated APIs to enable seamless interaction for playing media and chatting with the bot in real-time.
- * Created and deployed the bot with user interaction features, making it available for use in live Telegram chats.

Technical Skills

Languages: Python, C, C++, Java, JavaScript
Web Development: HTML, CSS, React, Node.js
Database Management: MongoDB, SQL
Cybersecurity and Ethical Hacking: Bug Hunting, Bin Testing, Cracking, Phishing, Spamming (Protector), Social Account Cracking, 2FA Bypass, Cryptocurrency Trading, Metasploit
Tools and Technologies: API Integration, Deployment, Git, Command Line Tools, Security Tools, DSA, Problem Solving