BARATH G

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EDUCATION

- **B.E. in Computer Science and Engineering**   CGPA-9.31
  Chennai Institute Of Technology   *2023 - 2027*

INTERNSHIP EXPERIENCE

Zero Truth Cloud Security Virtual Internship   July - Sep 2024

- Provided expertise in implementing zero trust security principles focused on identity verification, controls, and secure application design.
- Gained practical experience in newer cyber security methodologies for protecting cloud assets, which enhanced my holistic technical skills.

PROJECTS

- **ML Model-Based reCAPTCHA Solution:** Built a keystroke dynamics-based CAPTCHA system using Python, Flask, and Random Forest to differentiate humans from bots, adapting CAPTCHA difficulty in real time. Tested with Selenium for accuracy.
- **Vehicle Rental Web Application(MERN):** Developed a vehicle rental platform with booking, user authentication, and real-time availability using MERN stack.
- **Travel Blog (React):** Developed a responsive travel blogging platform using React for creating and sharing travel experiences. Added features like real-time editing, user authentication, and dynamic content via API integrations.
- **Flight Booking Website (MERN):** Built a comprehensive flight booking system with role-based features for admins and users, implementing secure booking, payment integration, and a responsive UI.
- **E-commerce Website:** Developed a responsive e-commerce website using HTML, CSS, and JavaScript, featuring product listings and a shopping cart.

CERTIFICATIONS

- **Introduction to Cybersecurity and Cyber Security Essentials:** Cisco Networking   [SEP 2023]
- **Python for Data Science and AI:** Coursera   [FEB 2024]
- **NPTEL Certification in DBMS:** IIT Kharagpur   [APR 2024]
- **Algorithm Toolbox:** Coursera   [JUN 2024]
- **Data Structures and Algorithms:** Coursera   [JUN 2024]

PROGRAMMING ACHIEVEMENTS

- **Leetcode:** Solved 600+ problems on LeetCode with a rating of 1824, demonstrating expertise in algorithms and data structures. [Profile Link]
- **Codechef:** Solved 200+ diverse problems with dedication and earned 2 stars. [Profile Link]
- **Skillrack:** Solved 500+ problems, enhancing proficiency in programming languages.

SKILLS

- **Problem-solving:** Proficient in solving complex problems through platforms like LeetCode.
- **Languages:** Java, Python, JavaScript, C++.
- **Databases:** MySQL, MongoDB.
- **Frontend:** HTML, CSS, Tailwind CSS, React.js.
- **Backend:** Node.js, Express.js.