Rithika Umasankar
Software Developer

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Summary

Motivated and detail-oriented Computer Science undergraduate with a solid foundation in Java and C. Experienced in developing real-time applications, including a secure online voting system and a library management system. Passionate about emerging technologies such as cloud computing, with a strong commitment to problem-solving, teamwork, and continuous learning. Eager to apply technical expertise and creativity to build impactful and scalable software solutions.

Skills

Programming & Querying: Java, C, SQL
Web Development: HTML, CSS, MySQL
Version Control: Git, GitHub

Projects

Library Management System | *HTML, CSS, PHP, MySQL*   **January 2025 – March 2025**
  – Developed a full-stack web application for managing books, users, and borrowing activities with separate admin and user modules.
  – Implemented secure user authentication, book categorization, and real-time availability tracking using PHP and MySQL.

Secure Online Voting System | *Java, MySQL*   **September 2024 – November 2024**
  – Built a secure voting application with voter authentication, candidate management, and real-time result computation.
  – Ensured data integrity and security through encryption and input validation.

Online Billing System | *Java, MySQL*   **June 2024 – August 2024**
  – Developed a billing application to generate and manage customer invoices with automated total and tax calculations.
  – Integrated a MySQL backend for secure data storage and streamlined transaction management.

Awards & Certifications

- **IoT – NPTEL (2024):** Learned IoT architecture, protocols, and sensor networks.
- **Cloud Computing – NPTEL (2024):** Gained knowledge of distributed computing and cloud service models.
- **Kho-Kho Team Captain (2019):** Led school team to victory in inter-school tournament.
- **Speech Competitions (2018–2020):** Won multiple prizes for public speaking.
- **Tamil Nadu Government Scholarship (2020) & Pragati Scholarship (2021):** Recognized for academic excellence and merit.

Education

K. Ramakrishnan College of Engineering   **Tiruchirappalli, Tamil Nadu**
Bachelor of Engineering (B.E.) – Computer Science Engineering   *2023 – 2027*
  – CGPA: 8.55/10

Kalaimagal Matric Higher Secondary School   **Tiruchirappalli, Tamil Nadu**
Higher Secondary Certificate (HSC) – Bio Maths   *2022 – 2023*

Kalaimagal Matric Higher Secondary School   **Tiruchirappalli, Tamil Nadu**
Secondary School Leaving Certificate (SSLC)   *2020 – 2021*