RAHUL ARRA

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SUMMARY

Information Technology undergraduate (CGPA: 9.06) with strong foundations in computer science fundamentals, including data structures, algorithms, object-oriented design, operating systems, and database systems. Experienced in building full-stack applications using the MERN stack and integrating scalable, production-ready features. Skilled in problem-solving and collaborative software development with hands-on experience in distributed web systems, API design, and cloud-based deployments. Seeking an SDE Internship to apply technical depth, ownership, and engineering discipline to real-world large-scale systems.

EDUCATION

Undergraduate: B.E., Information Technology; *CGPA: 9.06*   Graduating May 2027
Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad
Intermediate: CBSE, M.P.C (Mathematics, Physics, Chemistry); *Percentage: 86*   March 2023
Jawahar Navodaya Vidyalaya, Karimnagar
Secondary School: CBSE; *Percentage: 90*   March 2021
Jawahar Navodaya Vidyalaya, Karimnagar

TECHNICAL SKILLS

Programming: Java, Python, JavaScript, SQL
CS Fundamentals: Data Structures & Algorithms, OOP, Operating Systems, DBMS, Computer Networks
Frameworks & Tools: React, Node.js, Express.js, Git, VS Code, Postman
Databases: MongoDB, MySQL
Cloud & APIs: Google Cloud Fundamentals, Cloudinary, Gemini API

CODING PROFILES

LeetCode: Python, Java, SQL

PROFESSIONAL EXPERIENCE

Vault Of Codes, Full Stack Intern   June 2025– Aug 2025
- Developed the *Blossom* web application using the MERN stack, contributing to API design, frontend components, and backend logic.
- Collaborated with team members to gather requirements, define scope, and deliver functional features in iterative development cycles.

ACADEMIC PROJECTS

Digital Health Portfolio (MERN Stack)
Full-stack web application to securely manage health records with AI-driven insights and visualizations. Engineered a modular React frontend for managing hospital visits and real-time BMI insights with efficient state handling. Designed and implemented RESTful APIs in Node.js/Express, enabling secure CRUD operations across user and health datasets. Structured MongoDB collections for optimized querying, storage efficiency, and scalable data retrieval. Integrated secure user authentication with email verification and Cloudinary-based medical image handling. Implemented dynamic BMI computation with interactive visualizations for personalized health tracking. Added Gemini API integration to generate AI-driven health recommendations based on computed BMI metrics.

Online Movie Ticket Booking System
Built a basic movie booking website using (HTML InlineCSS Servlets and JDBC). Developed a servlet-based movie booking system using Java, JDBC, and MySQL with authentication, role-based access, secure session handling, and transactional integrity for seat booking.

Campus Activity Tracker (MERN Stack)
Full-stack campus management system with CSV-based bulk upload, dynamic dashboards, and role-based access. Implemented the **Super Admin bulk upload module** for students and teachers using CSV/XLSX parsing, including validation, error logging, and automatic account creation. Developed backend routes , using Node.js, Express, and a reusable CSV handler with detailed reports. Integrated CSV upload UI with progress indicators, template downloads, and summary modals to streamline the onboarding process for hundreds of users. Collaborated with the backend team to design structured **User schemas** with roles (`superadmin, deptadmin, teacher, student`), linking departments, classes, and identifiers. Contributed to end-to-end MERN integration involving dashboards, role-based redirects, and seamless front–backend communication for activity tracking.

Memory Card Matching Game
Developed a web-based multiplayer memory game with dynamic gameplay and a responsive UI. Created an interactive memory game using HTML, CSS, and JavaScript featuring card-match logic, score tracking, smooth animations, and event-driven gameplay. .

CERTIFICATIONS & ACTIVITIES

- Vault of codes - Internship certificate
- Salesforce Ai associate - Trailhead
- Salesforce Ai specialist - Trailhead
- Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate
- Oracle Cloud Infrastructure 2025 Certified Foundations Associate
- Google Cloud Computing Fundamentals - NPTEL
- MongoDB Associate Certification
- Runners at Regional Level BasketBall Championship
- CBIT Kreeda club

GOALS & OBJECTIVES

- Actively preparing for the **AZ-900: Microsoft Azure Fundamentals** certification to build expertise in Microsoft's cloud ecosystem.
- Seeking to apply my knowledge of **cloud computing** and full-stack development to contribute to building scalable and resilient software solutions.