RAHUL SONAWANE

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Summary

Highly motivated BCA student with a solid foundation in full-stack development, data structures, andalgorithms. Proficient in JavaScript, Python, Node.js, C++, and PHP, with hands-on experience in buildingresponsive web applications, bots, and console-based systems. Demonstrated expertise through sixdiverse projects, including a WhatsApp bot for cyber cafe services, a Telegram quiz bot with AI integration,and a Royal Fitness website with user authentication. Holder of a C++ Decode DSA certificate from PWSkills and an additional certification from a free platform, with a strong problem-solving mindset honedthrough LeetCode. Eager to apply technical skills and innovative thinking to contribute effectively in adynamic development environment.

PROJECTS

WhatsApp Bot and Web Platform for Cyber Cafe Services

- Developed a full-stack app with Node.js backend and responsive web interface for cyber cafe services(PAN card, voter ID, resume design).
- Built a WhatsApp bot using WhatsApp-Web.js for document submission and order tracking in Marathivia OpenRouter AI API.
- Implemented secure file uploads (Multer, SQLite) and a PDF Logo Adder tool.
- Technologies: Node.js, Express.js, SQLite, WhatsApp-Web.js, Multer, Axios, HTML, CSS, JavaScript.

Telegram Quiz Bot with AI Chat

- Created a Python-based Telegram bot for quizzes (Police Bharti, UPSC) with JSON-stored questions.
- Integrated Hugging Face InferenceClient for multilingual AI responses and added an auto-sleep feature.
- Designed commands (/start, /quiz, /quit) with error handling.
- Technologies: Python, python-telegram-bot, Hugging Face, JSON, asyncio.

Dynamic 3D Book Reader and Quiz Web Application

- Built a web app with a 3D book reader (Chhatrapati Shivaji Maharaj) and dynamic PDF upload using pdfjsLib.
- Implemented a quiz system with 20 random questions and responsive design with theme toggle.
- Enhanced with a bulky spine effect.
- Technologies: HTML, CSS, JavaScript, pdfjsLib.

C++ Console Applications: Tic-Tac-Toe and Library Management System

- Developed a Tic-Tac-Toe game with move validation and a Library Management System with CRUDoperations.
- Used binary file handling and DSA for efficient data management.
- Planned enhancements: AI for Tic-Tac-Toe, borrowing system.
- Technologies: C++, File I/O, Structs, DSA.

- **Workers attendance application**
  - Developed a web-based application for managing worker data, attendance, and payroll reports with a modern glassmorphism-inspired UI.
  - Implemented tabbed navigation for seamless access to worker management, attendance updates, and report generation.
  - Integrated with Google Apps Script for backend data processing and storage.
  - Designed responsive layouts optimized for mobile devices using media queries (600px and 360px breakpoints).

- **Personal Portfolio Website**
  - Designed a portfolio with canvas animations, smooth scrolling, and responsive layout using GSAP.
  - Added interactive elements (animated text, SVG animations) and planned a contact form.
  - Technologies: HTML, CSS, JavaScript, GSAP, LocomotiveScroll.

Education

- **Bachelor of Computer Applications (BCA)**   .

  Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra
  - In last year

Skills

- Programming   JavaScript, Python, Node.js, C++.
- Frameworks/Libraries Express.js, python-telegram-bot, ReactJS, pdfjsLib, GSAP, Typed.js
- Databases   SQLite, MySQL, SQL
- Front-End   HTML, CSS, JavaScript
- Other   REST API, File Handling, Responsive Design, JSON, DSA, Authentication

Links

[in] LinkedIn   GitHub   _Leetcode_

- [Portfolio](#)   - [Certifications](#)