Rahul Bhaskar

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SUMMARY

Computer Science undergraduate passionate about software development, cybersecurity, and emerging tech. Experienced in full-stack development, end-to-end encryption, and real-time applications. Strong problem-solving mindset with a knack for building clean, secure, and user-friendly solutions.

TECHNICAL SKILLS

LANGUAGES: C, JAVA, PYTHON, ASSEMBLY, VERILOG
WEB: HTML, CSS, JAVASCRIPT, REACT
DATABASE: SQL, MYSQL
TOOLS & PLATFORMS: GIT, VSCODE, KALI LINUX, MOBAXTERM, AUTOCAD, QUARTUS PRIME
OTHER: SOCKET.IO, NODE.JS, STREAMLIT, VERCEL, NODE-FORGE

EDUCATION

BITS Pilani, Dubai Campus — B.E. Computer Science
2023 – Present
- Relevant Coursework: DSA, DBMS, OOP, Logic in CS, Microprocessors, Digital Design

Labour India Gurukulam Public School, Kottayam | 2021-2023
High School Grade 11-12
- Studied Mathematics, Physics, Chemistry

Leaders Private School, Sharjah| 2009-2021
KG- Grade 10
- Completed primary and secondary education (KG to Grade 10) building a strong foundation in academics, problem-solving, and extracurricular activities."

LEADERSHIP EXPERIENCE

- **Developer Advocate – Strawberry Labs | Mar 2025 – Present**

  Collaborated on full-stack projects during monthly developer advocacy initiatives. Co-built and presented projects featured on the Strawberry Labs YouTube channel. Focused on converting technical concepts into accessible, real-world solutions.

- **Mental Health Ambassador – BITS Pilani Dubai | Nov 2024 – Present**

  Led mental health initiatives and supported student wellness through the UNWIND club. Acted as first point of contact for peer support.

PROJECTS

- **Secure Chat App | React, Node.js, Socket.IO, RSA (Node-Forge)**

  Built a real-time chat app with end-to-end RSA encryption, featuring typing indicators, read receipts, and a clean UI. Used Socket.IO for real-time updates and RSA-OAEP for secure communication.

- **Stock Price Trend Predictor | Python, Streamlit, yfinance**

  Developed an interactive web app to visualize and forecast stock trends using real-time market data. Implemented basic prediction algorithms and deployed a clean user-facing dashboard.

- **Bank Management System | Java (Swing), SQL**

  Created a GUI-based desktop banking application with encrypted login, secure transaction handling, and CRUD operations, simulating real-world banking processes.

- **AI Mental Health Chatbot | HTML, CSS, JS, NLP**

  Deployed an NLP-powered mental health chatbot on Vercel offering supportive resources and guidance. Focused on UI simplicity and empathetic interactions.

ACCOMPLISHMENTS

- **Winner – GEM IT RIGHT, IEEE BPDC:** Competitive prompt-based LeetCode challenge.
- **Merit Scholarship, BITS Pilani Dubai:** Awarded for outstanding academic performance.
- **Participant – ACMxE-CELL Hackathon:** Built Unwind, an AI-driven mental health app, at ACMxE-CELL Hackathon to detect early signs of depression using behavioral and biometric data.
- **Participant – ACMWxMTC Hackathon:** Built a Mental Health Chatbot and website using Botpress and Vercel.