

Bobby Devarapu

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Education

2022–2026

Aditya College of Engineering and Technology, B.Tech in Computer Science

- CGPA: 8.33

Technical Skills

- Programming Languages:** C, C++, Java, Python
- Front-end:** HTML, CSS, JavaScript
- Back-end:** MySQL, Java, AWS Cloud, MongoDB
- Operating Systems:** Linux, Windows
- Skilled in:** DSA, DBMS, OOP, REST APIs, Agile methodology, with Red Hat Certified System Administrator

Experience

(May 2024–Jul 2024)

AWS Development Intern - Technical Hub Pvt. Ltd

[Link] [Demo]

- Implemented AWS services (EC2, S3, RDS) to establish a scalable cloud architecture, supporting 5+ diverse applications.
- Streamlined solutions using automation, reducing client project delivery time by 30%.
- Built secure applications adhering to AWS best practices, ensuring robust data protection for 3 cloud environments.
- Collaborated with a team of 3 developers to implement scalable solutions, improving project delivery efficiency by 15%.

(Jul 2025-May 2025)

Short-Term Internship Program - APSICHE 2025 - SmartInternz

[Link] [Demo]

- Successfully completed the Short-Term Virtual Internship Program focused on Generative AI with IBM Cloud.
- Acquired job-ready skills in Generative AI, enhancing technical expertise and project applicability.
- Developed the ProctoX - Online AI Proctoring Platform, achieving a 95% accuracy rate.
- Contributed to the success of the program, demonstrating dedication and teamwork.

Projects

Feb 2025

Employee Management System (C++)

[GitHub] [Demo]

- Engineered a robust system to streamline employee record management, handling 1,000+ records with 99% accuracy.
- Ensured secure data storage through efficient file handling techniques, protecting 500+ critical records.
- Created a user-friendly interface leveraging OOP principles, reducing user onboarding time by 20% in diverse scenarios.
- Tools:** C++, File Handling, OOP, Data Structures

June 2025

Bank Management System (Java, MySQL)

[GitHub] [Demo]

- Architected a banking application ensuring secure, reliable transactions for 100+ simulated users.
- Enabled core banking functions like deposits, withdrawals, processing 50+ transactions daily with zero errors.
- Integrated MySQL to optimize data management, improving query performance by 40% for complex transactions.
- Tools:** Java, JDBC, MySQL, Swing

July 2025

ProctoX - Online AI Proctoring Platform (React, AWS)

[GitHub] [Demo]

- Created a secure platform for remote assessments, supporting student, teacher needs with AI monitoring.
- Integrated AWS services for real-time proctoring, enhancing accuracy in 200+ test sessions.
- Developed a responsive interface, improving user accessibility by 30% across devices.
- Tools:** AWS, TypeScript, React.js

Aug 2025

Number Conversion System Website (React.js, JavaScript)

[GitHub] [Demo]

- Developed a dynamic, responsive website for number conversions (decimal to binary, binary to decimal, hexadecimal, octal).
- Designed an intuitive interface, ensuring seamless user experience across devices for 1000+ users.
- Optimized conversion algorithms, achieving 99% accuracy in real-time calculations.
- Tools:** React.js, JavaScript

Achievements Certifications

Coding Profiles: LeetCode – CodeChef – CodeForces – GeeksforGeeks

- LeetCode, CodeChef** – 3 Coder: Secured 1600+ rating on **LeetCode**, 1500+ on **CodeChef**, solving 600+ DSA problems, participating in 30+ contests.
- Certifications:** Data Structures, Algorithms, JAVA IT Specialist (Pearson), AWS Cloud Developer-Associate