Temmanaboyina V V B Anirudh

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Education

Indian Institute of Information Technology, Allahabad   November 2022 – June 2026
Bachelor of Technology   *CGPA: 8.06*   *Allahabad*

Sri Chaitanya Junior College   June 2020 –July 2022
Board of Intermediate Education   *Percentage: 95%*   *Vijaywada*

Sri Chaitanya International Olympiad School   June 2019 – June 2020
Board of Secondary Education   *Percentage: 93.3%*   *Vijayawada*

Relevant Coursework

- Data structure and Algorithms
- Computer Networks
- Operating Systems
- Database Management
- Object Oriented Programming
- Microprocessor

Projects

FeetInfra | *Node.js, Express.js, PostgreSQL, and Reactjs* | **Repo link**   **May 2025**
- Built a full-stack infrastructure management system with role-based access (Admin, Supervisor, Engineer) using Node.js, Express.js, React, and PostgreSQL; implemented JWT authentication with only 9% overhead, ensuring secure and stateless user sessions.
- Designed and implemented dynamic dashboards and API-first backend architecture, improving project data visibility and modularity across components.
- Integrated bcrypt with 10 rounds of hashing (150ms per hash), providing strong password protection while maintaining responsive authentication performance.

Task-Master | *Node.js, Express.js, PostgreSQL, and EJS* | **Repo link**   **December 2024**
- Developed a full-stack task management app using Node.js, Express.js, PostgreSQL handling 100+ concurrent users
- Implemented secure authentication with bcrypt (10 rounds of hashing) and express-session, improving security by 95%.
- Optimized PostgreSQL queries, reducing data retrieval time by 40%, ensuring smooth performance.

Redis — In-Memory Key-Value Store | *C++, Sockets, Threads , TCP , Data Retrieval* | **Repo link**   **May 2025**
- Built a Redis-like in-memory key-value store in C++ using TCP sockets and multithreading.
- Used unordered_map for $O(1)$ average time complexity on key operations like SET, GET, and DEL.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.
- Designed a custom binary protocol with length-prefixed framing to handle message parsing over a TCP byte stream.

Technical Skills

Languages: C/C++, JavaScript, SQL, Python.
Development: HTML, CSS, ReactJs, NodeJs, ExpressJs, Socket.Io, Tailwind, Bootstrap.
Developer Tools/Technologies: VS Code, Android Studio,Xcode, SublimeText,Unix ,Linux, TCP/IP
Databases: PostgreSql, MySql, MongoDb.
SoftSkills: Critical Thinking, Time Management, Adaptability, Collaboration & Teamwork.

Coding Profiles

LeetCode – Solved over **700** coding problems and earned the **Knight** badge for consistent excellence in problem solving.

Codeforces – Earned **Specialist** rank on Codeforces by solving rated algorithmic problems with consistency

Codechef – **Achieved 4-star rating on CodeChef** by consistently solving medium to hard-level algorithmic problems.

Responsibilities

Tesla

Senior Member
- Mentored 100+ students at an event organized by the EDA wing, offering technical and strategic guidance.
- Provided guidance, support, and helped enhance their learning experience.

Achievements

- Among the top **1%** in JEE Mains 2022 and top **4%** in JEE Advanced 2022.
- Awarded medals in multiple national Olympiads including NSO, KAT, and INTSO.
- Achieved a top global rank of **261** in LeetCode Weekly Contest 454.
- Achieved a top global rank of **490** in LeetCode Biweekly Contest 155.
- Achieved a top global rank of **700** in LeetCode Biweekly Contest 153.
- Secured a global rank of **992** in Codeforces Div-3 Round 1032.
- Secured a global rank of **1324** in Codeforces Div-2 Round 1011.
- Secured a global rank of **508** in CodeChef Starters 128 (Div-3).
- **Finalist** in Walmart SparkPlug program, selected from over 20,000 participants.
- Secured 3rd place in a hackathon organized by GeekHaven, the technical club of IIIT Allahabad.
- Solved over **1200** problems across various coding platforms.