T R Pranav Rao

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Education

CMR National Public School — Bangalore, KA
High School — Advanced Science Stream (PCMC), Web Designing Club — *June 2022 – June 2024*

Reva University — Bangalore, KA
B.Tech in Computer Science Engineering (CSE) — *Sept. 2024 – Sept. 2028*

Experience

Intern — April 2024 – June 2024
SISA Infosec — *Bangalore, KA*

- Researched different cyber threat groups and forums.
- Provided solutions for clients based on cyber attacks.
- Documented efficient solutions for complex tasks.

Intern — July 2024 – Sept. 2024
Robomations — *Bangalore, KA*

- Worked on Think Projects for school-going students.
- Led two teams in a robotics competition by IHFC, IIT-Delhi.
- Handled administrative duties for the company.

Intern — April 2023 – June 2023
Robomations — *Bangalore, KA*

- Designed and created social media carousels.
- Developed a basic mobile robot using Arduino.
- Built multiple STEM-related projects.

Projects

File Explorer | *C Language* — Nov. 2025 – Present

- Complete file system simulation with folder/file management.
- Implemented depth-first search traversal algorithm.
- ASCII tree visualization with formatted output.
- Optimized operations with efficient time complexity.

IDGuard | *FastAPI, Python, OpenCV, Next.js, Docker, Firestore* — Sept. 2025 – Dec. 2025

- Developed a face-recognition attendance system minimizing proxy attendance.
- Achieved 99.2% face verification accuracy using deep learning.
- Implemented live dashboard for real-time attendance.
- Added bulk CSV export functionality.
- Secured authentication with Firebase.

Technical Skills

Languages: MySQL, Python, C/C++, SQL (Postgres), JavaScript, HTML/CSS, R
Frameworks: React, Node.js, FastAPI
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, Antigravity, Cursor
Libraries: pandas, NumPy, Matplotlib