

Chaitanya Pyla

Team Player | Content Creator | Problem Solver | You Tuber

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Summary

Enthusiastic software engineer with a passion for scalable data structures, and algorithms. Proven leader with hands-on experience in developing real-time solutions and interactive applications. Driven by a commitment to innovation and continuous learning.

Education

Degree/Grade	Institution	Score
B.Tech - IT	Prasad V. Potluri Siddhartha Institute of Technology	9.09 CGPA [2024]
Senior Secondary	Narayana Junior College	96.4% [2020]
Secondary School	Sri Kora High School	100% [2018]

Technical Skills

- **Programming Languages:** C++, Python, C, JavaScript, HTML, CSS.
- **Core Skills:** Data Structures, Algorithms, Object-Oriented Programming.
- **Soft Skills:** Leadership, Communication, Time Management, Adaptability, Problem-Solving, Team Player.

Experience

Real-Time Vehicle Tracking System

Lead Developer

- Proposed and developed a smart transportation system selected for the **Smart India Hackathon (SIH)**, enhancing real-time bus tracking with GPS data.
- Led a team from PVPSIT to design a solution that optimized arrival predictions and reduced tracking latency by leveraging real-time data.
- Contributed to project ideation and ensured seamless deployment of GPS-enabled data acquisition.

Tree Data Structure Operations Website

- Created a web application for performing insertion, deletion, and search operations on data structures like BST, AVL, and Red-Black trees.
- Implemented efficient algorithms, achieving up to a 20% improvement in data manipulation performance.

- Optimized user interface and database management, resulting in a smooth, scalable experience that could handle large datasets efficiently.

#### Student Portal

- Developed a student portal allowing students to download course materials and access their timetable.
  - Built features for easy navigation and document retrieval, enhancing student accessibility and convenience.
  - Utilized [mention relevant technologies, like HTML, CSS, JavaScript, or backend technologies like PHP, Node.js, etc.].
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#### Personal Achievements

##### Code Coach YouTube Channel

- Founded and currently run a YouTube channel, **@Code Coach**, with a focus on solving complex data structures and algorithms problems.
  - Achieved steady growth and engagement, with around 100 views per video and positive viewer feedback.
  - Developed strong content creation and community-building skills, sharing coding insights with an audience of aspiring developers.
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#### Academic Achievements

- **Secured a 20k Rank in AP-EAMCET**, awarded a **70k scholarship** toward college fees.
  - **Completed NPTEL Certification** with a score of 75%.
  - **Cybersecurity Virtual Internship** with Eduskills, gaining practical insights into digital security protocols.
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#### Extracurricular Activities

- **NSS Volunteer**: Actively engaged in community service projects, focusing on societal betterment and wellness.
  - **Cricket Enthusiast, Video Editing, Gaming, and Social Media Engagement.**
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#### Languages

- **Fluent**: English, Telugu