



## Dhanush Rambhatla

Programmer building large-scale systems, security research, and open-source infrastructure.

Hyderabad, TG, India [dhanush.rambhatla@gmail.com](mailto:dhanush.rambhatla@gmail.com)

<https://rambhatla.la>

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### Education

#### Chirec International School

CBSE Class I-XII

Mathematics, Physics, Chemistry, Economics, English

90% (Predicted) | 1510 SAT (Superscore)

### Experience

#### Chirec MUN

June 2025

Head of Finance

- Led a **5-member finance team**, the **largest in the conference's 13-year history**.
- Managed and audited a **₹30 lakh budget**, establishing SOPs to document and track every transaction.
- Reduced payment and remuneration turnaround from **60 days to 14 days**.
- Implemented a **transparent reimbursement system**, overseeing **₹2 lakh+** with zero discrepancies.

#### Chirec MUN

June 2024

Head of Technology

- Headed a team of **11 juniors**, managing technical infrastructure and a conference website with **36,000+ visits**.
- Designed training processes that significantly **reduced on-ground technical failures** during the event.
- Documented technical decisions and strategies for future secretariats.
- Coordinated with school management for routers, microphones, and power logistics across venues.
- Led real-time incident response, including resolving a **dining hall power short-circuit** by coordinating with engineers to restore systems in record time.

#### WP Archive

December 2023 - Present

Founder

- Built a large-scale **digital book archival platform**, crossing **1 million visits in March 2025 alone**.
- Raised **₹52,000+ in donations/fees** to support infrastructure and development.
- Designed and deployed a **machine-learning-based recommendation engine** used by **4,000+ users**.
- Expanded scope from file delivery to **data analytics, reader modeling, and recommendation systems**.

#### MC Tracker

November 2021 - February 2022

Co-Founder

- Grew the platform to **500,000+ views** in 3 months.
- Secured **\$2,000 USD in sponsorships**.
- Built the **Developer SDK** and handled backend systems.
- Served as the primary **community spokesperson**, gathering feedback and managing sponsor relations.

### Security Research and Ethical Hacking

- Discovered an **authentication vulnerability** in Andrew Tate's TRW platform, exposing **230GB+ of data**.
- Bypassed **Shott.in's payment gateway**, enabling arbitrary pricing and free purchases; responsibly disclosed.
- Identified a **Microsoft account takeover vulnerability** in school infrastructure, leading to policy changes.
- Found a **global misconfiguration** exposing data of **70,000+ student accounts** (Cognita); coordinated disclosure and fix.

### OpenSource Contributions

- **1,200+ open-source contributions** across 2023–2024.
- Contributions to projects including **LangChain**, **cal.com**, **Meta's Audiocraft**, **daisyUI**, and others.
- Contributor to **koreader-calibre-plugin**, adding backward compatibility for legacy book formats.
- Maintainer of multiple libraries with **10,000–20,000+ downloads** each.

### Projects

#### Case Search

- Embedded **1.7 million Indian court case proceedings**.
- Built a **semantic search engine** allowing lawyers to query cases using natural language instead of keywords.
- Optimized for real-time responses over a large corpus.
- Used by legal professionals for exploratory research.

#### API Wrappers & Developer Tooling (Python & Rust)

- Built and maintained a portfolio of **async-first API wrappers and developer libraries** across Python and Rust, accumulating **65,000+ downloads** over 4 years.
- Authored widely used packages including **async-animanga** (20k+ downloads), **mcstalker** (21k+), **discord-colorize** (13.1k+), **wattpad-py** (11.5k+), and **wattpad-rs** (1.3k+).
- Focused on **type safety, performance, and developer experience**, evolving from Python to Rust while maintaining production-grade APIs.

#### Tapas

- Built a **WhatsApp-based AI study assistant**.
- Analyzes forwarded documents and messages to manage deadlines, answer doubts, and generate study plans.
- Placed **2nd overall** at the CHIREC Hackathon.

#### YouTube QnA

- Developed a chatbot that uses YouTube as a knowledge base.

- Answers questions with **textual explanations grounded in specific, timestamped video references**.

- Focused on factual grounding rather than hallucinated responses.

### Skills

#### Programming Languages

Python, Rust, JavaScript, TypeScript, SQL, Lua

#### Systems

Async programming, APIs, Databases, Linux, Docker, Cloud Infrastructure

#### Artificial Intelligence & Machine Learning

Embeddings, Recommendation Systems, Semantic Search

### Interests

#### Piano

Trinity Grade 3 Certified

#### Public Speaking

Pitching, Elocution, Extempore

### Awards

#### 2nd Place, CHIREC Hackathon

2025

Built **Tapas**, an AI-powered WhatsApp study assistant for document analysis, deadline tracking, and study planning.

#### Finalist, TCS InQuizitive Quiz

2024

1 of 8 finalists out of ~400 teams

#### Selected Team, I-Venture Program, Indian School of Business

2024

Admitted to ISB's selective student entrepreneurship program as one of 26 teams, focusing on venture ideation, validation, and execution.

#### Outstanding Achievement in Archery, CHIREC International School

2023

Recognized for competitive performance and consistency at the school level.

#### Good Conduct Award, CHIREC International School

2023

Awarded for professionalism, responsibility, and conduct within the school community.

#### Piano Grade 3, Trinity College London

2023

Achieved graded performance certification, demonstrating sustained practice and technical proficiency.