

# Yeshwanth S

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## EDUCATION

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### PSG College of Technology

B.E. Computer Science (Artificial Intelligence & Machine Learning) CGPA: 8.80/10

Coimbatore, Tamil Nadu

Aug 2023 – Present

### Bharathiyar Matric Higher Secondary School

HSC - 98.5%

Attur, Salem, TamilNadu

June 2022 – March 2023

## VOLUNTEER EXPERIENCE

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### Technical Team Member

June 2024 – Present

#### THE EYE (Cybersecurity Society)

PSG College of Technology, Coimbatore

Organized technical events and developed internal tools for the society.

#### CTF Portal | Express, React, MongoDB

- Collaboratively built a full-stack **Capture-The-Flag platform** with session-based authentication, real-time WebSocket scoreboard, dynamic challenge unlocking; scaled to 300+ concurrent users.
- Streamlined event operations with an admin portal for challenge management and analytics.

#### TranscribeX | Flask, React, Generative AI

- Co-Developed a web app for **video transcription, subtitle generation, and AI summarization**, deployed during workshops to auto-generate content for participants.

## PROJECTS

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#### MY-dict | Python, FastAPI, SQLite, BeautifulSoup4, Typer, Tauri, React

- Built a desktop app **word lookup tool** using **Trie**(data structure) search for efficient searching of valid words, **Levenshtein, Norvig** as hybrid distance calculation for typo correction and auto-suggestions.
- Integrated **SQLite**-backed persistence with asynchronous web scraping for online lookup.

#### Terminus | Python, Gemini, Ollama, Typer

[GitHub](#)

- Built a Command Line Interface(**CLI**)-**first automation framework** for file management, development workflows, and productivity tasks(integrated with gmail and google calendar) using natural language commands.

#### LINK- Network Monitoring System | FastAPI, SQLite, Next.js

[GitHub](#)

- Built a background service to schedule/continuously measure network speed, latency, and jitter, exposing live metrics through a FastAPI backend as a CLI tool to analyse the inconsistencies of network.
- Stored time-series data in SQLite and visualized real-time and historical trends using a dashboard.

#### LOOM-Learning Tool | Next.js, Prisma, Gemini, MongoDB

[Demo](#)

- Built an **interactive learning platform** that transforms Q&A into flashcards, quizzes, and an AI canvas, with multimodal ingestion from YouTube, PDFs, and images to make study material actionable.

## SKILLS

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**Languages** Python, SQL, C

**Frameworks** FastAPI, React, Flask

**Dev Tools** Git, GitHub, Docker, VS Code, Generative AI tools

**Core CS** Data Structures, Object-oriented Programming, Operating Systems, DBMS, Machine Learning

**Soft Skills** Adaptability, Collaboration

## HACKATHONS

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#### Qualcomm Edge AI Developer 2025 | AI for Edge Devices

- Achieved **Finalist** among 1000+ national teams in the Edge AI Application Track for the project **Luna**, an offline AI-powered podcast editor enabling **speaker diarization, transcription, and voice regeneration**

#### Google Agentic AI Day 2025 | Agentic AI Hackathon

- Selected among 700+ shortlisted teams from 57,000+ global participants for developing **receipt assistant for Google Wallet** using Google's Agent Development Kit and Vertex AI.

#### Ideathon – PSG College of Technology | Cybersecurity & AI

- Secured top 5 with a **browser-based deepfake detector** enabling real-time video,image authenticity analysis.