

EDUCATION			
Qualification	Institution	Year	CGPA / Marks
B.Tech, Artificial Intelligence and Data Science	Ramco Institute of Technology	2024 - 2028	CGPA: 7.13/10
Higher Secondary (Class 12)	N.A. Annaparaja Memorial Hr. Sec. School	2022 - 2024	376/600 (62.7%)
Secondary School (Class 10)	AKDR Boys Hr. Sec. School	2022	370/500 (74%)

INTERNSHIP

AI Intern, Mentron

Jun 2026

- Built semantic search with sentence-transformer embeddings, structured LLM output and LangChain pipelines in Python.

WORK EXPERIENCE

Student Software Developer, Ramco Institute of Technology, Rajapalayam

2025 - Present

- Architected and solely built RIT Canvas ([ritcanvas.in](#)), the college LMS, and its React Native Android app: 55-table schema, role-based access, 2,139 students and 169 educators.
- Engineered backend services for AI quiz generation from PDF, DOCX and PPTX (Docling, Ollama), a real-time quiz engine with server-side timers, and cron jobs.
- Run the platform fully self-hosted, not on cloud hosting: 10 Docker replicas deployed with Dokploy behind Traefik and a Cloudflare Tunnel, plus a self-hosted Convex backend.
- Co-developed the RIT ERP ([ritrjpm.edu.in](#)) in a 7-member team on Python, Django and MySQL: 14 production modules, including student and staff portals and online fee payment.
- Built RIT Pulse, a live quiz platform with server-scheduled timers designed to save about 90,000 database reads per question at 300 players, and co-built RIT REACH's proctored exams.

Freelance Game Developer, Solar Scripts ([solarscript.in](#))

2024 - Present

- Build and sell 10+ FiveM (GTA V) scripts in Lua, React and MySQL for ESX, QBCore and Qbox; 50+ custom scripts delivered.
- Designed a 35-table MySQL schema for a 17-page police dispatch and records system with 151 client-server callbacks.
- Modelled 3D props in Blender (in-car screen, surveillance kit, house shell) and shipped them as native GTA V assets.

PROJECTS

AI Video Clipping Agent | Python, YOLO, faster-whisper, FFmpeg

- Built a six-stage pipeline that cuts long videos into captioned vertical shorts in Tamil, Hindi and Telugu, with parallel GPT and Gemini planning and YOLO face tracking.

LUMEN query agent | Python, FastAPI, LangGraph, PostgreSQL, MongoDB

- Designed a five-step agent that writes, validates and explains SQL and MongoDB queries from plain English, blocking destructive statements.

TECHNICAL SKILLS

Backend:

Django, Node.js, REST APIs, Convex, FastAPI

Databases:

PostgreSQL, MySQL, MariaDB, MongoDB, Supabase, Firebase

DevOps:

Docker, Dokploy, Traefik, CI/CD, Cloudflare, Git

Frontend and mobile:

React, React Native, Next.js, TypeScript, Tailwind

AI, game and 3D:

LangChain, Ollama, Lua, FiveM, Blender

POSITIONS OF RESPONSIBILITY

Organiser and Developer, HackFinity 3.0, Ramco Institute of Technology

Sep 2026

- Co-organised RIT's 24-hour hackathon: 31 teams, 114 participants, 50 problem statements and a Rs. 30,000 prize pool.
- Built the event website ([hackfinity3.0.ramcoad.com](#)) and the React Native judging app with role-based access, a configurable 10-criterion rubric and QR check-in.

ACHIEVEMENTS

- Listed RIT ERP developer
- Organised HackFinity 3.0
- Pitchathon 2026 entrant