

# THARUN R

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## EDUCATION

**B.Tech Information Technology**, Karpagam College of Engineering  
Coimbatore, India

2023 – 2027  
CGPA: 7.01 / 10

*Relevant Courses:* DSA, OOPS, DBMS, Operating Systems

## TECHNICAL SKILLS

|                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| Languages      | C++, Java, JavaScript (ES6+), Python, HTML5, CSS3                       |
| Frameworks     | React.js, Node.js, Express.js                                           |
| Databases      | MongoDB, MySQL                                                          |
| AI / ML Tools  | TensorFlow, OpenCV, Ollama                                              |
| Networking     | TCP/IP, OSI Model, DNS, HTTP/HTTPS, Routing, Switching                  |
| Cyber Security | Ethical Hacking, Network Security, Vulnerability Assessment, Kali Linux |
| Dev Tools      | Git, GitHub, VS Code, Postman                                           |
| Soft Skills    | Communication, Teamwork, Problem-Solving                                |

## KEY TECHNICAL PROJECTS

**SNACK BOX – Food & Chats Store** [\[GitHub Link\]](#) 2025

- Built a **React + Vite** food ordering platform with responsive UI, reducing page load time by **35%**.
- Implemented categorized menus, search, and cart workflows, improving order flow efficiency by **40%**.
- Integrated **QR-based payments** and automated billing with printable invoices for end-to-end checkout.
- Developed a secure **admin dashboard** with menu CRUD operations and monthly sales analytics.

**FinGPT 21 – Financial Intelligence Assistant** [\[GitHub Link\]](#) 2024

- Engineered an AI-powered financial assistant integrating **OpenAI** and **Google Gemini** LLMs for advanced document analysis.
- Implemented semantic search and document ingestion, reducing information retrieval time by **50%**.
- Improved response accuracy and relevance by **30%** through optimized prompt engineering and model selection.

## ACHIEVEMENTS & ACTIVITIES

- **1st Prize – App Development (National Science Day)**: Secured first place at Karpagam College of Engineering for developing an innovative application. [\[Link\]](#)
- **National-Level Hackathon – HACK ELITE (SMVEC, Puducherry)**: Participated in a national-level innovation challenge, gaining experience in rapid prototyping and problem-solving. [\[Link\]](#)
- **Googleathon Hackathon – SNS College of Engineering**: Represented the team in a competitive hackathon, converting ideas into working technical solutions. [\[Link\]](#)
- **Endpoint Security Certification – Cisco**: Demonstrated knowledge of endpoint protection, threat detection, and cybersecurity best practices. [\[Credential\]](#)
- **Ethical Hacker Certification – Cisco Networking Academy**: Acquired hands-on skills in ethical hacking, network security, and penetration testing fundamentals. [\[Credential\]](#)
- **AI Mastery Certification (Udemy)**: Completed advanced training in AI concepts including search algorithms and intelligent strategies. [\[Link\]](#)
- **Material Data Science Workshop – IIT Madras**: Gained exposure to data-driven methods and analytical techniques in material science applications. [\[Link\]](#)
- **Salesforce Trailhead – Agentblazer Champion & Innovator**: Earned industry-recognized badges through hands-on challenges, strengthening practical problem-solving skills. [\[Profile\]](#)