

THAMILSELVAN A

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SUMMARY

Motivated B.Tech student specializing in Artificial Intelligence and Machine Learning with strong foundations in Python, data analysis, and IoT-based systems. Experienced in developing real-world applications including smart parking, accident detection, and farmer direct-market platforms. Actively involved in technical communities and skilled in video editing for technical demos and digital outreach, with a passion for continuous learning and innovation.

EDUCATION

MANAKULAVINAYAGAR INSTITUTE OF TECHNOLOGY

- B.Tech in Artificial Intelligence and Machine Learning
- CGPA of 8.42

SEVENTH DAY ADVENTIST HIGHER SECONDORY SCHOOL

- 12th - 73.5%

SKILLS

- **Programming:** Python, Java
- **Data & ML:** Pandas, NumPy, Matplotlib
- **Web:** HTML, CSS
- **Tools:** Git, Netlify, Antigravity
- **Creative Tools:** Video Editing (Premiere Pro / CapCut)
- **SoftSkills:** Problem-solving, Teamwork, Leadership

PROJECTS

- **WEBSITE FOR DIRECT MARKET ACCESS TO FARMERS** - Designed and developed a web-based agricultural marketplace enabling farmers to list products and connect directly with buyers. The system supports user authentication, real-time product updates, and order tracking, helping farmers achieve fair pricing and improved market reach.
- **IOT Based Vehicle Accident Detection System** - Automatically sends alert notifications and vehicle location to a predefined contact in case of an accident.
- **Smart Billing Trolley** - Enables product scanning using RFID tags and displays the total bill on-screen, allowing direct online payment.

CERTIFICATIONS

- Basic of MongoDB Certification
- [AWS Certification](#)
- [Programming In Java \(NPTEL\)](#)
- [IBM Certificate](#)

ACHIEVEMENTS

- Selected in Smart India Hackathon (SIH) at college level [2024, 2025].
- Active participant in coding contests on SkillRack, HackerRank, and CodeX.

LEADERSHIP & INVOLVEMENT

- Active member of AI/ML Club, Manakula Vinayagar Institute of Technology.
- AIML Dept Social Media Admin.
- Organized coding workshops and peer-learning sessions for juniors.