

THARUNESHVAR T

AI Engineer | AI & Data Science Student

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GitHub | LinkedIn | Portfolio



PROFESSIONAL SUMMARY

Software Engineer and AI & Data Science student with hands-on experience building reliable, object-oriented software systems in Python, Java, and JavaScript. Passionate about product quality, collaborative problem-solving, and demonstrating learning agility to rapidly empower users with performant solutions.

TECHNICAL SKILLS

Languages	AI / ML	Backend	Tools / Platforms
Python, Java, Bash / Shell Scripting, SQL	Scikit-learn, PyTorch, OpenCV, Pandas, Machine Learning Foundations, Deep Learning, Generative AI	REST APIs, FastAPI	Git, GitHub, Linux, Hugging Face, Azure, GCP

EXPERIENCE

AI Engineer Intern TÆKNI Technology Studio • Engineered and deployed artificial intelligence models, leveraging advanced machine learning frameworks to solve complex technical challenges. • Collaborated within a professional studio environment to optimize data processing pipelines and build scalable AI solutions.	May 2026 – Jun 2026
AI & ML Intern Elevate Labs • Analyzed complex datasets using EDA and algorithmic problem-solving techniques to prepare optimal features for machine learning pipelines. • Researched and applied industry-standard evaluation techniques to improve model quality and incorporate team feedback.	May 2025 – Jun 2025

PROJECTS

AMB – Smart Ambulance Priority & Emergency Routing System • Implemented dynamic ambulance routing algorithms using priority queues and graph traversal logic to optimize green corridor assignments. • Integrated via HTTP API bridge maintaining full database separation across two independent microservices, demonstrating distributed system design.	Tech Stack: Python, Simulation Logic
AGEMODEL – Transformer-Based Facial Age Classification • Developed a deep learning facial age classification system using a pretrained Vision Transformer (ViT) to categorize images into 10 distinct age groups. • Built a robust data preprocessing pipeline by combining datasets, applying image augmentation, and class balancing to improve model generalization.	Tech Stack: Python, PyTorch, ViT, OpenCV

EDUCATION RMK College of Eng. and Tech. CGPA: 7.62 B.Tech – AI & Data Science (4th Year) St. John's Matriculation Hr. Sec. School 86.6% Higher Secondary Certificate (HSC)	CERTIFICATIONS • Azure Associate Developer – Microsoft • Google Cloud Skills Boost – Machine Learning Foundations • Oracle Cloud Infrastructure 2025 Certified Data Science Pro • Accenture Data Analytics & Visualization (Forage) • Cloud Computing & Design Thinking – NPTEL
ACHIEVEMENTS • 1st Place – Techkriti 2K26 (National Hackathon) • Best Novelty Award – HackForge (24hr National Hackathon) • Reality Ready Award – INNOCLASH'26 (International Hackathon) • Winner – PromptCraft'25 • 3x National Level Symposium Winner • 2x Ideathon Winner Participant in 10+ Hackathons	LANGUAGES English (Professional) ●●●●● Japanese (Conversational) ●●●●● Tamil (Native) ●●●●●