AKSHAY K
Artificial Intelligence
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SUMMARY

A highly motivated and hardworking individual with a strong passion for technology and growth. I'm honest about what I don't know—but what sets me apart is my determination to learn fast and find solutions. Always eager to take on new challenges and keep leveling up.

EDUCATION

Indian Institute of Technology, Patna M.Tech in Artificial Intelligence	Siddaganga Institute OfTechnology,Tumkur B.E in Computer Science cgpa : 7.89	Sri Chaitanya Techno School, Tumkur 12 th Grade (CBSE) Percentage : 82	Bishop Sargant School, Tumkur 10 th Grade (ICSE) Percentage : 85
2025 - present	2025	2021	2019

PROJECTS

Rental Management System (Blockchain-based)
Decentralized DApp on Ethereum for managing rentals. Developed Solidity smart contracts enabling automated payments, verified properties, and secure agreements. Gained hands-on experience in DApp architecture and smart contract security.

Water Body Detection (Deep Learning)
AI system for detecting water bodies from satellite images. Used ResNet50 and UNet for segmentation, with Random Forest for classification. Applied augmentation and preprocessing to handle data imbalance and noise.

Second Brain (Backend API)
Designed and implemented a secure RESTful backend for an AI-powered memory assistant. Developed user authentication, full CRUD functionality, and semantic search using Retrieval-Augmented Generation with a scalable, modular architecture.

Portfolio Website (Terminal-Themed)
Created a responsive personal site with React, TypeScript, Tailwind CSS, and DaisyUI. Featured terminal-style navigation, dark mode, and interactive modals. Focused on consistent styling through modular Tailwind customization. URL - https://myterminal-pi.vercel.app/

SKILLS

Fundamentals : Data Structures, Algorithms, Operating Systems, Database Management Systems, Artificial Intelligence and Machine Learning
Programming : C, Python, SQL
Tools & DevOps : Docker, GitHub, Azure, Postman, Vercel, Supabase

Web : Basics of Web Development, Daisy UI (component library), Hono APIs (Web Framework)
Soft Skills : Strong Work Ethic, Creative, Analytical Thinking, Effective, Communication, Problem-Solving, Time management

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CERTIFICATIONS

Data Structures and Algorithms by Geeks for Geeks • Introduction to JAVA by Coding Ninjas • Introduction to Networks by Cisco • Generative AI Landscape by Infosys • Prompt Engineering by Infosys

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EXTRAS

Hobbies : Reading novels • Playing video games • Sketching
Linkedin : www.linkedin.com/in/akshay-k47
GitHub   : https://github.com/A-k-S-H-a-Y-K