

AKSHAY K

Computer Science and Engineering

Tumkur, Karnataka, India • 8660251237 • akshay.1si21cs007@gmail.com

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

Bishop Sargant School, Tumkur	Sri Chaitanya Techno School, Tumkur	Siddaganga Institute Of Technology, Tumkur
10 th Grade (ICSE) 2019	12 th Grade (CBSE) 2021	B.E in Computer Science 2025
Percentage : 85	Percentage : 82	current cgpa : 7.76

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.

Hacker News Server (Backend API)

Developed a RESTful API using Hono and Node.js for story posting, commenting, and voting. Integrated Prisma with SQLite for full CRUD support. Overcame challenges with edge functions and serverless deployment.

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 (Basics)

Mathematics : Linear Algebra, Calculus, Probability and statistics

Backend : Node.js, Hono APIs, RESTful APIs

Databases : SQL, PostgreSQL, Prisma ORM

Tools & DevOps : Docker, GitHub, Azure, Postman, Vercel, Supabase

Programming Languages : Python, Java, C, JavaScript, TypeScript

Web : HTML, CSS, React, Next.js, Tailwind CSS, DaisyUI

AI/ML : TensorFlow, Keras, ResNet50, UNet

Soft Skills : Strong Work Ethic, Creative, Analytical Thinking, Effective Communication, Problem-Solving, Time management

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

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>