Tanmay Patra

✉ tanmaypatra450@gmail.com　　🔗 tanmaypatrakiit.com　　in Tanmay Patra　　⌂ TanmayPatra369

About Me

am a 3rd-year Computer Science student driven by curiosity and a passion for innovation. I love exploring ideas, solving challenges, and developing meaningful solutions. With a keen interest in the evolving landscape of technology, I strive to bridge the gap between concepts and the impact of the real world through creativity and problem solving.

Internship

- **Machine Learning Intern** – CSIR (Council of Scientific and Industrial Research)　　　　Location :- Bangalore
  - Assisted in developing and optimizing ML models for data analysis and pattern recognition.
  - Worked on data preprocessing, feature engineering, and model evaluation to enhance accuracy and efficiency.
  - Achieved **85% improvement** in model accuracy and reduced processing time by **15%**, contributing to a more effective system.
  - Github - `github - repo` ↗

Education

KIIT University
B.Tech CSE (2022 - 2026) - CGPA: 8.30

DAV Public School
Class 10 CBSE (2020 – 2021) – Percentage: 93.4%　　　　*Class 12 CBSE (2022 – 2023)* – Percentage: 88.4%

Projects

Frontend E-Commerce Clone Redesign　　　　　　　　　　　github.com/FrontEnd ↗
- Developed a modern e-commerce frontend using HTML, CSS, and JavaScript.
- Implemented responsive UI/UX with a focus on user experience.
- Integrated product listing, search, and cart functionalities.

MERN-Based Task Manager and To-Do App　　　　　　　　　github.com/Full-Stack ↗
- Built a full-stack task manager using MongoDB, Express, React, and Node.js.
- Implemented CRUD operations for task creation, updates, and deletions.
- Designed an intuitive UI with authentication and due-date reminders.

Technologies

Languages: C, C++, Java, Python, JavaScript, tailwind CSS, HTML, CSS

Tools & Platforms: Git, VS Code, Docker, Kubernetes, JIRA, AWS

Libraries & Frameworks: React.js, Next.js, Node.js, Express.js, Flask, Bootstrap

Databases & DevOps: SQL (MySQL, PostgreSQL), MongoDB, RESTful APIs, Microservices Architecture

Course Subjects: Data Structures Algorithms, Operating Systems, DBMS, Computer Networks, Machine Learning, System Design

Hackathons and Certifications

Hackathons:
1. AI Soc Hackathon – LLM Model

Certifications:　　1. AWS ↗ – AICTE　　2. C ↗　Java ↗　Python ↗ – Udemy　　3. Problem Solving ↗ – HackerRank　　4. Web Development ↗ – Tech Bairn