Tanay Vasishtha

Bhubaneswar, Odisha | 8279501354 | tanayvasishtha@gmail.com | linkedin.com/in/tanayvasishtha
| https://github.com/tanayvasishtha | Software Engineer | AI/ML Developer | Blockchain Researcher

PROFESSIONAL SUMMARY

Innovative Computer Science Engineering student with expertise in Artificial Intelligence, Machine Learning, and Blockchain technology. Proficient in software development, data analysis, and full-stack application design. Skilled in leveraging cutting-edge technologies to deliver scalable solutions and collaborating with cross-functional teams.

CORE COMPETENCIES

Software Development: Python, Java, C, C++, OOPs, DSA, HTML, CSS, Javascript, Nodejs, React, Bootstrap
Artificial Intelligence: Machine Learning, Deep Learning, Computer Vision, Neural Networks, Data Preprocessing
Cloud & DevOps: Amazon Web Services (AWS), Cloud Computing, Version Control, Git
Blockchain Technology: Smart Contracts, Distributed Systems, Tokenization, Cryptography
Creative Technologies: UI/UX Design, Adobe Creative Suite, Figma, Digital Media Production

PROFESSIONAL EXPERIENCE

Indian Institute of Science (IISc)   **May 2024 - July 2024**
Research Engineer Intern
 - Engineered machine learning algorithms for drone-based accident detection achieving 95% accuracy
 - Implemented computer vision techniques using Python and OpenCV for real-time image processing
 - Developed data preprocessing pipeline for training object detection models
 - Collaborated with research team on model optimization and testing protocols

Timechain Labs   **June 2024 - Nov 2024**
Blockchain Developer Intern
 - Develop and implement blockchain protocols for digital asset tokenization
 - Design secure transaction systems using cryptographic hashing algorithms
 - Optimize smart contract performance and security measures
 - Collaborate with distributed teams on blockchain infrastructure development

Oasis Infobyte   **March 2024 - April 2024**
UI/UX Design Intern
 - Designed user interfaces for web and mobile applications using Figma and Adobe Creative Suite
 - Created responsive design systems and component libraries
 - Conducted user research and implemented feedback for design improvements
 - Developed brand identity elements including logos and marketing materials

PROJECTS

Building in Public Analyzer
 - Developed a tool to analyze "Building in Public" styles using Twitter and GitHub metrics.
 - Designed scoring algorithms with Next.js and Tailwind CSS while integrating Twitter API for profile insights.

Credit Score Improvement Advisor
 - Built a machine learning-powered application to provide personalized credit score improvement strategies.
 - Trained Random Forest Classifier (87.45% accuracy) and optimized Gradient Boosting Regressor (R^2 = 0.9232).

LEADERSHIP EXPERIENCE

Enactus KIIT   **March 2022 - Present**
Assistant Creative Director
 - Lead technical team of 10+ members in digital content creation and management
 - Implement data-driven strategies for social media optimization
 - Develop multimedia presentations for national competitions using Adobe Creative Suite

Startup Grind Bhubaneshwar   **December 2023 - Present**
Strategic Partnerships Lead
 - Manage technical partnerships with startup incubators and technology companies
 - Coordinate cross-functional teams for innovation summits and tech events
 - Analyze partnership data to optimize collaboration outcomes

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering   **March 2024 - April 2024**
KIIT University
 - Key Courses: Data Structures, Algorithms, Database Systems, Machine Learning, Cloud Computing, OS
 - GPA: 8.1

TECHNICAL CERTIFICATIONS

 - AWS Cloud Foundations
 - Harvard CS50 Python Programming

LANGUAGES

 - English (Professional Working)
 - Hindi (Native)
 - French (Elementary)