TANMAY PALIWAL

Aspiring Software Engineer

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SUMMARY

I am a motivated software engineering student with a strong technical foundation and a keen interest in problem-solving. Currently pursuing my B.Tech in Computer Engineering, I have also developed my skills in web development, particularly with the MERN stack. My passion for learning is demonstrated through my engagement in various projects, hackathons, and collaborative programming efforts. I'm eager to apply these skills in a dynamic development environment.

EDUCATION

B.Tech in Computer Engineering

NMIMS Indore

📅 08/2024 - 06/2028   📍 Indore, India

Secondary Education

SGS Indore

📅 05/2015 - 05/2024   📍 Indore, India

Primary Education

Advanced Academy Indore

📅 01/2010 - 03/2014   📍 Indore, India

CERTIFICATION

Python for Beginners - Scaler

Certificate obtained for learning the basics of Python programming

Bloomberg Finance Fundamentals - Bloomberg for Education

Fundamentals in financial concepts and practices

DSA in C++ - Udemy

Course focused on Data Structures and Algorithms using C++

Intro to Large Language Models - Simplilearn

Introduction to the basics of large language models

React JS Course – Scalar

Comprehensive course on React JS development

Gemini AI Clone – LetsUpgrade

Completed a project to create a Gemini AI Clone

Generative AI Certificate - upGrad & Microsoft

Certification focused on Generative AI in collaboration with Microsoft

INTERESTS

💡 Technical Activities

Engaged in competitive programming and collaborative learning to enhance problem-solving skills

💎 Career Interest

Passionate about software development, AI, and full-stack technologies, with a strong interest in building impactful real-world applications.

SKILLS

HTML   CSS   JavaScript   MongoDB

Express.js   React   Node.js

Socket.IO   JWT   Python   C++

Pandas   Numpy   MatplotLib   Git

Data Structures   OOP   GitHub

PROJECTS

Huddle (Chat - App)

📅 08/2025 - 10/2025

Real-Time Chat Application

- Developed a real-time chat app using the MERN stack (MongoDB, Express.js, React.js, Node.js)
- Integrated Socket.io for instant, bi-directional communication between users
- Implemented JWT-based authentication for secure login and user sessions
- Designed a responsive and modern UI for seamless user experience across devices
- Deployed the application with a scalable backend and optimized message delivery system.
- Also added middlewares like (arcjet) for preventing the website from cyber attacks.

Selective Repeat ARQ Simulator

📅 09/2025 - 09/2025

Selective Repeat ARQ Simulator

- This Project Shows a complete Simulation of Selective Repeat ARQ Simulator showcasing the Fundamentals of Computer Networks.
- Designed and implemented a Selective Repeat Automatic Repeat Request (ARQ) protocol simulator using HTML, CSS, and JavaScript.
- Visualized the working of data frames, acknowledgments, and retransmissions in a real-time interactive interface.
- Simulated packet loss, timeout, and retransmission scenarios to demonstrate reliable data transfer in networks.
- Applied core networking concepts such as sliding window protocols and error control mechanisms.

YouTube Clone

📅 01/2025 - 03/2025

YouTube Clone

- Built a responsive frontend clone using HTML, CSS, and JavaScript
- Implemented video grid layout, navbar, and interactive elements

EXPERIENCE

Python Instructor — Samyak Computer Classes, Indore

Samyak Compter Classes

📅 06/2024 - 12/2024   📍 Indore

Samyak Computer Classes is a reputed IT training institute in Indore offering professional courses in programming, software development, web technologies, and computer applications.

- Taught Python programming to students, focusing on practical applications and strong foundational concepts.
- Conducted interactive coding sessions on loops, functions, data structures, and OOP.
- Guided students in developing mini-projects and improving problem-solving skills.
- Helped learners understand best practices in coding and real-world software development.

PROJECTS & REPOSITORIES

💎 **Explore my work on GitHub:**

https://github.com/tanmaypaliwal576

PROJECTS

FestX

📅 02/2024 - 02/2024

FestX – College Fest Management Platform

- Developed a college fest management website during a hackathon to streamline event organization and student participation
- Built using HTML, CSS, and JavaScript with an emphasis on responsive UI and user-friendly navigation
- Designed key sections such as event listings, schedules, quizzes, leaderboards, and registration dashboards
- Implemented dynamic countdown timers, notifications, and real-time updates for event tracking
- Enhanced user engagement with interactive design elements, search filters, and category-based event organization
- Showcased at TuringFest 2025, NMIMS Indore, earning positive feedback for innovation and UI design

Gemini Clone

📅 06/2025 - 06/2025

Gemini Clone

- Created a Gemini chatbot-like interface using HTML, CSS, and JavaScript
- Focused on UI/UX design and responsive layout