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GitHub: **https://github.com/TheAJ25**
Portfolio: **https://harmonious-bienenstitch-2cf78b.netlify.app/**

SUMMARY

Highly motivated and results-oriented Full Stack Developer with a strong foundation in programming languages and frameworks. Possesses a keen interest in cyber security and building secure, innovative web applications. Eager to contribute technical expertise to a dynamic team.

PROJECTS

➢ **Codecraft** – (https://github.com/TheAJ25/CodeCraft)

Codecraft is an online HTML, CSS, and JavaScript compiler that allows users to write, compile, and preview code in real-time. The platform provides a user-friendly environment for front-end developers to test and experiment with their code.

Key features include:

Real-Time Code Compilation: Instantly compiles and displays HTML, CSS, and JavaScript output.

User Authentication: Allows users to save and manage their code snippets securely.

Intuitive Interface: Easy-to-use and responsive UI for seamless user experience.

Syntax Highlighting: Integrated code editor with syntax highlighting for enhanced readability.

Multi-Panel Layout: Supports resizable panels to simultaneously view code and output.

Technologies Used:

TypeScript: Ensured type safety and enhanced code maintainability.

React: Built the front-end interface and components for a smooth user experience.

Vite: Optimized build tool for fast development and deployment.

Codemirror: Integrated for a rich code editing experience with syntax highlighting and theme support.

Tailwind **CSS**: Used for responsive and modern UI design.

Express: Handled server-side logic for user authentication and code management.

MongoDB: Stored user data and code snippets securely.

JWT: Implemented for secure user authentication and session management.

➢ **Line** – (https://line-tau.vercel.app/)

Line is an interactive drawing application that allows users to create, share, and download drawings on a collaborative canvas. The app facilitates real-time collaboration using WebSocket, enabling multiple users to draw on the same canvas simultaneously.

Key features include:

Real-Time Collaboration: Allows multiple users to draw on the same canvas in real-time using WebSocket.

Drawing and Editing: Provides tools for users to draw and edit directly on the canvas.

Canvas Download: Enables users to download their drawings in image format.

Shareable Canvas: Allows users to share the drawing session with others through a unique link.

Technologies Used:

Next.js: Utilized for server-side rendering and fast performance.

React: Built the front-end interface and drawing components.

Socket.io: Integrated for real-time, bi-directional communication between users.

Redux Toolkit: Managed the application's state and facilitated real-time updates.

Tailwind CSS: Used for styling and creating a responsive design.

➢ **Blogger** – (https://blogger-chi-peach.vercel.app/)
A responsive platform for users to create, edit, and manage blog posts, with real-time updates and an intuitive interface.
Key features include:
Blog Creation and Editing: Users can easily write and update their posts.
User Notifications: Integrated notifications for actions like post updates and publishing.
Responsive Design: Ensures a seamless experience on all devices.
Technologies Used:
Next.js for server-side rendering, React for dynamic interfaces, Mongoose for MongoDB data modeling, Axios for API requests, and Tailwind CSS for responsive design.

SKILLS

Technical Skills
Front-End Development: **HTML5, CSS3, JavaScript (Vanilla JS), React, Next.js, TypeScript**
Back-End Development**: Node.js, Express.js**
Databases: **MySQL, MongoDB, PostgreSQL**
Programming Languages: **C, C++, Python**
Core CS Subjects: **DBMS (Database Management Systems), OS (Operating Systems), OOPs (Object-Oriented Programming), Computer Networks**
Soft Skills
Communication, Problem-Solving, Teamwork, Adaptability, Time Management

EDUCATION

B.Tech Information Technology	(2021 - Present)
B.P. Poddar Institute of Management and Technology. Kolkata, West Bengal	Kolkata, India
Higher Secondary Examination (12th)	82.2%
Ushumpur Adarsha Uchcha Vidyalaya	Kolkata, India
Class 10th	87.3%
Ushumpur Adarsha Uchcha Vidyalaya	Kolkata, India

CERTIFICATIONS

- **Programming for Everybody (Getting Started with Python)**
  (https://www.coursera.org/account/accomplishments/verify/HPWBP5CMJJ4T)
Acquired foundational Python skills including variables, loops, and functions, facilitating entry into various tech roles such as web development, data analysis, and AI.
- **Ethics, Technology and Engineering**
  (https://www.coursera.org/account/accomplishments/verify/U9ACQNRV8288)
Developed ethical decision-making frameworks regarding technology, addressing critical issues like privacy, AI, and sustainability, essential for engineering and policymaking roles in the tech industry.
- **Teamwork Skills: Communicating Effectively in Groups**
  (https://www.coursera.org/account/accomplishments/verify/CU9353KGDCKB)
Strengthened teamwork abilities through effective communication, conflict resolution, and empathy, fostering positive team dynamics crucial for success in professional settings.

LANGUAGE

Bengali (Native)
English (Fluent)
Hindi (Conversational)