Alavya Pandey

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Education

IES College of Technology   Bhopal, India
Bachelor of Technology in Computer Science, CGPA of 8.10   *July 2021*

Experience

Tech Mahindra   Bangalore, India
Software Engineer   *December 2021 − Present*

- Worked on AWS services including AWS Connect, Lex, DynamoDB, and CloudWatch, as well as Sprinklr.
- Enhanced a Lex bot, **resulting in a 20% increase** in efficiency by optimizing conversational flows.
- Played a key role in **securing 2 new clients** for the company by demonstrating improved product capabilities and delivering exceptional customer solutions.
- Automated monitoring and alerting processes using AWS CloudWatch, leading to **a 30% improvement** in detecting bugs and enhancing overall system reliability.

Projects

Git Chat | Demo | *React, Node.js, Express, MongoDB, Tailwind CSS, Socket.io, JWT*   **July 2024**

- * Developed **Git Chat**, a live and responsive web application using **React** for the frontend, Node.js and Express for the backend, and MongoDB for data storage.
- * Implemented real-time communication features using **Socket.io**, reducing message delivery **latency by 30%**.
- * Utilized **Tailwind CSS** for designing a responsive interface, improving responsiveness by 10% compared to traditional CSS methods.
- * Leveraged MongoDB to achieve a 15% increase in data retrieval speed and scalability.
- * Integrated **JSON Web Tokens (JWT)** for secure user authentication and session management, ensuring data protection and user privacy.

Expense Tracker | Demo | *React, Node.js, Express, MongoDB, Chakra UI*   **June 2024**

- * Developed **Expense Tracker**, a web application for managing personal finances, using **React** for the frontend and Node.js with Express for the backend.
- * Integrated MongoDB as the database, resulting in efficient data storage and retrieval with **a 20% improvement** in performance.
- * Designed a clean and user-friendly interface using **Chakra UI**, enhancing user experience and accessibility.
- * Implemented backend services to handle user expense tracking and reporting functionalities.
- * Added a delete function to allow users to easily remove unwanted items from their expense list, providing greater control over their financial records.

Pixel Paint | Demo | *HTML, CSS, JavaScript*   **April 2024**

- * Developed **Pixel Paint**, a web-based painting application using HTML, CSS, and JavaScript.
- * Implemented a feature that allows users to download their drawings locally to their system with a single click.
- * Designed a user-friendly drawing interface with customized colors and brush sizes for creating pixel art.
- * Ensured cross-browser compatibility and responsiveness for a seamless user experience on various devices.
- * Optimized application performance to ensure smooth and responsive drawing experiences, even with complex and large canvases..

Technical Skills

Languages: Python, JavaScript, TypeScript, HTML/CSS
Frameworks: React, Node.js, Next, TailwindCSS, Framer Motion, JSON Web Token, MongoDB
Tools: Node Package Manger, Postman, Git, VS Code