# Alavya Pandey

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## Summary

**Frontend developer** skilled in building dynamic and responsive web applications using modern frameworks like **React.js** and **Next.js**, with a focus on delivering seamless user experiences through optimized interface design and real-time functionality.

Proficient in integrating backend systems and leveraging **AWS services** to create scalable, secure, and high-performance solutions that bridge front-end and back-end technologies effectively.

## Technical Skills

**Languages**: JavaScript (ES6+), TypeScript, HTML5, CSS3, Python, C/C++, MySQL
**Frameworks**: React.js, Next.js, Node.js, Tailwind CSS, Framer Motion, Bootstrap, Vite, MongoDB, JWT
**Tools**: Git, GitHub, NPM, Postman, VS Code, Vercel
**Cloud & DevOps**: AWS Lambda, DynamoDB, CloudFormation

## Projects

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

- **Developed** a responsive live chat application, **Git Chat**, using **React** for the frontend, enhancing user interaction with real-time communication features.
- **Implemented** dynamic and responsive designs with **Tailwind CSS**, improving interface responsiveness **by 10%** and ensuring a seamless user experience.
- **Integrated** secure user authentication with **JSON Web Tokens (JWT)** and leveraged real-time updates using **Socket.io**, reducing message latency **by 30%**.

**User Management System** | Link | *Node, EJS, JavaScript, MongoDB, Nodemon, Postman*      **April 2024**

- **Designed** and implemented an intuitive user interface for a user management system using **EJS templates** and **express-ejs-layouts**, ensuring efficient and responsive UI rendering.
- **Enhanced** frontend functionality by integrating secure user authentication and CRUD operations, delivering seamless user interactions.
- **Optimized** UI performance and accessibility through structured views and RESTful API integration, reducing data retrieval latency and improving database storage **by 20%**.

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

- **Developed** an Expense Tracker application using **React** for the frontend and **Node.js with Express** for the backend, enabling seamless personal finance management.
- **Integrated** MongoDB for efficient data storage and retrieval, achieving a **20% improvement** in performance, and enhanced user experience with a clean **Chakra UI** interface.
- **Implemented** robust backend services for expense tracking, reporting functionalities, and added a delete feature to **allow** users greater control over financial records.

## Experience

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

- **Optimized** AWS services (Connect, Lex, **Lambda, DynamoDB, CloudWatch**) to enhance system performance, achieving a **30% improvement**.
- **Enhanced** a Lex bot, driving a **20% increase** in efficiency by optimizing conversational flows and user interactions.
- **Secured** 2 new clients by **showcasing** improved product capabilities and **delivering** tailored customer solutions.

## Education

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