

# Alavya Pandey

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## Summary

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Skilled React developer with hands-on experience in **building** dynamic and responsive web applications. Proficient in **leveraging** modern frontend technologies and frameworks to **enhance** user experience and interface design. Adept at **implementing** real-time features and optimizing performance.

## Education

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### IES College of Technology

Bachelor of Technology in Computer Science, CGPA of 8.10

Bhopal, India

July 2021

## Projects

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### Git Chat | [Link](#) | React, Node.js, Express, MongoDB, Tailwind CSS, Socket.io, JWT

July 2024

- Designed **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%**.
- Enhanced** interface responsiveness **by 10%** using Tailwind CSS for streamlined and dynamic design.
- 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.

### User Management System | [Link](#) | Node, EJS, JavaScript, MongoDB, Nodemon, Postman

April 2024

- Developed a **full-stack** user management system using Node.js, Express, MongoDB, and templating with EJS, supporting **CRUD operations** and secure user authentication.
- Mongoose for schema validation and database modeling, improving query performance **by 15%**.
- Employed method-override for handling PUT/DELETE requests in forms and structured views with express-ejs-layouts for **efficient UI rendering**.
- Designed RESTful API endpoints to handle user registration, profile updates, and deletion, optimizing database storage **by 20%**.

### Expense Tracker | [Link](#) | React, Node.js, Express, MongoDB, Chakra UI

June 2024

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

## Experience

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### Tech Mahindra

Software Engineer

Bengaluru, India

December 2021 – Present

- Optimized** AWS services (Connect, Lex, **Lambda**, **DynamoDB**, **CloudWatch**) to improve system performance **by 30%**.
- Enhanced** a Lex bot, resulting in a **20% increase** in efficiency by optimizing conversational flows.
- Played** a key role in securing 2 new clients by **demonstrating** improved product capabilities and **delivering** exceptional customer solutions.

## Technical Skills

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**Languages:** JavaScript, TypeScript, HTML/CSS, C/C++, Python, MySQL

**Frameworks:** React, Node.js, Next, TailwindCSS, Framer Motion, JWT, MongoDB, Bootstrap, Vite

**Tools:** NPM, Postman, GitHub, VS Code, Vercel, Lambda, DynamoDB, CloudWatch, Agile Framework