

# PAWAN KUMAR

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## SKILLS

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**Technical Skills:** HTML, CSS, JavaScript, React, Node.js, SQL, TypeScript, Git/GitHub, Python

**Technologies/Frameworks:** MongoDB, Express.js, React, Node.js, HTML, CSS, Next.js

**Developer Tools:** VS Code

**Soft Skills:** Complex Problem Analysis, Strategic Decision Making, Effective Communication, Leadership

## EXPERIENCE

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**Venturloop** — React.js, TailwindCSS, React Router, React Query

May 2025 – June 2025

*Software Engineering Intern — Remote*

- Built and maintained **8+ admin dashboard pages** with responsive layouts and persistent navigation.
- Created **10+ reusable components**, reducing repeated code by **40%**.
- Improved API efficiency by **30%** using **React Query** and Axios.
- Collaborated with backend teams, reducing integration issues by **20%**.
- Optimized performance using lazy loading and code splitting, cutting load time by **25%**.

## PROJECTS

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**Messenger** [🔗](#) | React.js, Node.js, Express.js, MongoDB, Socket.io

- Built a real-time chat application using the **MERN stack** and **Socket.io**, supporting **1,000+ concurrent users** with **sub-200ms** latency.
- Implemented secure authentication using **JWT** and **bcrypt**, reducing login vulnerabilities by **95%**.
- Managed global state with **Zustand**, cutting unnecessary re-renders by **40%** and lowering memory usage by **25%**.
- Optimized WebSocket events and API calls, improving real-time sync accuracy by **30%** and reducing debugging time by **20%**.

**Personal Expense Tracker** [🔗](#) | React.js, Node.js, Express.js, MongoDB

- Developed a full-stack expense tracking application with real-time expense recording, categorization, and analysis.
- Implemented secure authentication using **JWT** and **brypt** to protect sensitive financial data.
- Built optimized **RESTful APIs** with Node.js and Express.js, improving response times by **30%**.
- Added filtering and data visualization features to track spending trends and improve usability.

## EDUCATION

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**Vellore Institute of technology**

2022 – 2026

B.Tech - Computer Science and Engineering - CGPA: 7.4

Bhopal, India

## Other Notable Works/Achievements

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- **Certification:** Full Stack Development MERN (MongoDB) [🔗](#)
- **Certification:** Salesforce Developer Certification Program [🔗](#)
- **Certification:** Python Pro Bootcamp (Udemy) [🔗](#)
- **Certification:** Full-Stack Web Development (Udemy) [🔗](#)