

ABHAY SINGH

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🌐 Website

🎓 EDUCATION

Maharaja Agrasen Institute Of Technology, Btech in Computer Science

Sept 2023 – Sept 2027

- CGPA: 8.41/10.0

Kendriya Vidyalaya Paschim Vihar, Intermediate (PCMB)

Apr 2021 - Mar 2022

- Score: 90

📁 PROJECTS

Penny Path

Jun 2025 - Jul 2025

- Penny Path is a full-stack MERN application designed to help users track expenses, manage incomes, and visualize their financial journey. It offers user authentication, insightful financial charts, and interactive dashboards to monitor, analyze, and export your transactions.
 - Designed and deployed a full-stack MERN application for expense tracking and income management.
 - Built interactive dashboards with financial charts (Pie, Bar, Summary Statistics) to visualize spending and trends.
 - Implemented authentication and authorization with JWT and password hashing for secure access.
 - Enabled users to add/delete transactions and export income/expense data as Excel for offline use.
 - Utilized React (Vite), TailwindCSS, Chart.js/Recharts, Node.js, Express.js, MongoDB, and bcrypt to deliver a robust financial tracking tool.
- **Tools Used:** React (Vite), Axios, Chart.js / Recharts, TailwindCSS, Node.js, Express.js, MongoDB, JWT, bcrypt

Blogatron

Mar 2025 - Apr 2025

- Blogatron is a dynamic and modern blogging web application that allows users to read, write, and comment on blog posts. It features user authentication and a responsive UI with a theme toggle for light and dark modes.
 - Developed a dynamic blogging web application enabling users to read, write, and comment on posts.
 - Implemented secure user authentication and authorization using JSON Web Tokens (JWT).
 - Engineered responsive UI with theme toggle (light/dark mode) for enhanced user experience.
 - Integrated CRUD functionality for blog posts and comments with seamless MongoDB backend.
 - Leveraged Node.js, Express.js, EJS, Bootstrap, and MongoDB to build a scalable full-stack solution.
- **Tools Used:** Node.js, Express.js, HTML, EJS, Bootstrap, MongoDB, JWT

🔧 TECH STACK

💻 **Languages:** C++, C, Python, JavaScript, SQL, HTML, CSS

⚙️ **Frameworks and Libraries:** React, Node.js, Express, Numpy, Pandas, Tailwind CSS

🗄️ **Databases:** MongoDB, MySQL

⚙️ **Other technologies:** VS Code, GitHub, Data ETL, Web Scraping

⚙️ **Coursework:** Data Structures and Algorithms, Object Oriented Programming, Software Engineering, Operating Systems

🏆 CERTIFICATES

Google Prompt Engineering Certificate(Beginner) - gaining expertise in crafting effective AI prompts for optimal responses."

IBM's Python for Data Science, AI and Development - gaining hands-on experience with Python, data analysis, and AI-related applications."