Ashutosh Kumar Rathour

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Summary — Motivated and creative B.Tech Computer Science (AI ML) student with a strong foundation in full stack web development and a passion for solving real-world problems using technology. Proficient in C++, Python, React.js, and Flask, with hands-on experience in developing responsive, dynamic web applications and AI-integrated systems. Demonstrated expertise in building intuitive UIs, optimizing performance, and ensuring scalable architecture through academic and personal projects. Successfully delivered real-time features such as automated tracking, theme customization, and data visualization. Eager to contribute to impactful projects that blend AI, development, and user-centric design.

Skills

Languages	C, C++, Python,HTML,CSS	**Databases**	MySQL, Oracle
Frameworks	React.js, Springboot, Flask	**Tools**	Git, GitHub, VS Code, Power BI

Experience

Training - Sofcon India Pvt. Ltd — **Sept 2023 – Dec 2023**

Full Stack Development Training

– Successfully completed training in HTML, CSS, and JavaScript.
– Developed responsive web interfaces and improved UI/UX design.
– Gained hands-on experience in frontend development with real-world projects.
– Learned best practices for clean coding, debugging, and deployment.
– Built multiple real-world mini-projects that emphasized frontend logic, component reusability, and mobile-first design
– Learned and applied industry best practices for clean code architecture, modular development, and efficient deployment workflows
– Actively participated in code reviews and team-based tasks to understand collaborative development environments.

Education

Dr. APJ Abdul Kalam Technical University

Bachelor of Technology (B. Tech) in Computer Science (AI ML)

Certifications

– Sofcon India Pvt.Ltd - Frontend
– HCL - Python with Data Science

Projects

Personal Portfolio — **Mar 2023**

– Designed and developed a dynamic portfolio website with an engaging UI using HTML, CSS, and JavaScript.
– Ensured mobile responsiveness and fast loading speeds, improving user experience.
– Upgraded the portfolio with interactive animations, dark mode, and customizable themes.
– Added interactive UI features such as animations, dark mode toggle, and customizable themes for personalized user experience.
– Integrated GitHub project showcases, contact forms, and real-time visitor analytics to increase engagement and functionality.

Library Management System — **Jan 2024**

– Developed a feature-rich system to manage book records, users, and transactions efficiently.
– Implemented search, issue/return tracking, and automated fine calculation for better usability.
– Built features such as advanced search, issue/return tracking, and automated fine calculation, streamlining library operations.
– Emphasized user experience through intuitive UI design and clear navigation for both admin and users.
– Focused on code modularity and scalability for easy future enhancements.

Population Analysis — **march 2025**

– Developed a Python script to analyze census data from CSV files and compute metrics like population growth rate and literacy rate.
– Utilized Pandas for efficient data cleaning, transformation, and wrangling of large demographic datasets.
– Employed Matplotlib and Seaborn to generate insightful visualizations showing demographic trends across regions.
– Implemented logic to identify high-growth and low-growth zones, helping in trend forecasting.