ASHUTOSH BANSAL

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OBJECTIVE

A skilled software engineer with a solid foundation in development and analysis. Ready to apply expertise in coding and software engineering to drive innovation and support the success of a progressive organization. Committed to delivering impactful solutions, enhancing performance, and continuously advancing technical expertise in a fast-paced environment.

EDUCATION

Hindustan College of Science and Technology — Mathura, Uttar Pradesh
Bachelor of Technology in Computer Science — June 2022 - Present
CGPA: 8.1/10

Saraswati Vidya Mandir
XII, CBSE, 85.8% — April 2020 - March 2022

SKILLS SUMMARY

- Programming Languages and Scripting : Java, C, SQL , JavaScript
- Web & Frontend technologies : HTML/ CSS ,ReactJS , Bootstrap , Tailwind
- Backend Framework : Node.js
- Database and Servers : MongoDB, MySQL
- Version Control: Git, GitHub
- Tools &Technologies: Render, Mongo Atlas

PROJECTS

Wander-Lust – " modern and seamless platform efficient hotel bookings" — March 2025 - April 2025
(Node.js , Express.js , MongoDB , EJS , HTML/CSS , Bootstrap)

1. Developed a scalable full-stack hotel booking application using React, Node.js, Express, and MongoDB with RESTful APIs for hotel listings, bookings, user authentication, and reviews.
2. Implemented MongoDB indexing and caching strategies to optimize database query performance and application scalability.
3. Applied robust client-side and server-side validation using Joi and custom React logic to ensure security and data integrity

Post-Now- "A blog web-app with visual appealing UI" — December 2024 - January 2025
(HTML/CSS , JavaScript , Figma)

1. Designed and developed a responsive blog web application using HTML, CSS, and JavaScript, focusing on clean layout structure and smooth navigation.
2. Implemented a visually appealing UI with modern styling, hover effects, and consistent typography to enhance user readability and engagement.
3. Optimized the frontend for multiple screen sizes using media queries and flexbox/grid, ensuring seamless performance across devices.

Automatic License Plate Recognition (ALPR) — October 2024 - November 2024
(Python, OpenCV, PyTesseract)

1. Developed a computer vision system to detect and recognize vehicle license plates from both images and real-time video streams.
2. Used OpenCV for image preprocessing techniques including grayscale conversion, edge detection, contouring, and segmentation.
3. Integrated PyTesseract to perform Optical Character Recognition (OCR) and accurately extract alphanumeric characters from license plates.

CERTIFICATION & TRAINING

- Introduction to C and Data Structure [RCPL] — January 2023
- MERN stack [RCPL] — March 2024
- Career Essentials in Generative AI [LinkedIn Learning] Career — August 2024
- Essentials in Software Development [LinkedIn Learning] — October 2024

ACHIEVEMENT

- Winner – Intra-College Hackathon | Selected for Smart India Hackathon 2024
- Solved 300+ DSA Problems on LeetCode & GeeksforGeeks