OM KOTHARI
Student

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SUMMARY

I am an eager and motivated software developer with hands-on experience in Java, C, and web technologies like HTML, CSS, and JavaScript. I am passionate about learning and growing in the field of software development, and I am excited to apply my skills to develop innovative and user-friendly solutions. My goal is to contribute to meaningful projects, improve my technical abilities, and collaborate in dynamic environments to create efficient and impactful software.

EDUCATION

Bachelor of Technology (B. Tech) – Computer Science Engineering
Uttaranchal University, Dehradun
Sep 2022 – Jun 2025
- **CGPA**: 8.03/10

Diploma – Electronics Engineering
Government Polytechnic Pitthuwala, Dehradun
Jul 2019 – Jul 2022
- **Percentage**: 73.97%

High School (Class 10)
Kendriya Vidyalaya F.R.I., Dehradun
Mar 2018 – May 2019
- **Percentage**: 78.6% (CBSE Board)

SKILLS

Bluetooth, Computer Vision, CSS, DBMS, HTML, Internet of Things, Java, JavaScript, Machine Learning, PHP, Raspberry PI

PROJECTS

Smart Car | 01/2022
Built a Bluetooth-controlled autonomous car with HC-05 module, featuring obstacle avoidance and line-following capabilities.

Smart Automation | 06/2023
Experienced in developing smart home automation systems, optimizing energy usage, and enhancing user comfort through automated environmental controls.
- Designed and implemented a smart home automation system that automatically controls the fan and AC based on temperature sensors.
- Achieved a 15% reduction in energy consumption through optimized HVAC usage.
- Enhanced user comfort and convenience through automated environmental control.

Shape Snap | 06/2024
Developed a machine vision system using Raspberry Pi and ML to identify and replicate geometric shapes in real time. Trained the model on 300+ images, demonstrating potential in agriculture, surveillance, and automation.

Premier Website Clone | 10/2024
Created a responsive clone of the 'Premier' website using HTML and CSS, focusing on precise design replication and modern web development practices.
- Recreated the "Premier" website using **HTML** and **CSS**.
- Focused on pixel-perfect design and layout consistency to replicate the original interface.
- Gained proficiency in structuring and styling static web pages with semantic HTML and modern CSS techniques.

We Think Elastic Website Clone | 11/2024
Created a responsive clone of the 'WE THINK ELASTIC' website using HTML, CSS, and JavaScript. Enhanced user engagement with advanced animations powered by GSAP and Locomotive Scroll, ensuring a dynamic and visually appealing experience.
- Recreated a responsive and visually dynamic clone of the "WE THINK ELASTIC" website
- Utilized **HTML, CSS, and JavaScript** to create a seamless user experience.
- Implemented advanced animations using **GSAP** and **Locomotive Scroll** to enhance interactivity and visual appeal.
- Focused on optimizing performance and ensuring cross-browser compatibility.

EXPERIENCE

Intern | Uttaranchal University – Dehradun, India | Jun 2023 – Jul 2023
Company Description: University-sponsored internship focused on embedded systems
- Designed a smart home automation system that optimizes energy usage by controlling fan and AC based on temperature sensors. Successfully reduced energy consumption by 15% through efficient HVAC management, while enhancing user comfort with automated environmental controls.

🔗 View Certificate

Intern | Uttaranchal University – Dehradun, India | Jun 2024 – Jul 2024
Company Description: University-sponsored internship focused on embedded systems
- Built a machine vision system for identifying and replicating geometric shapes using computer vision and machine learning. Integrated the system with a robotic arm for autonomous tracing, leveraging Raspberry Pi for real-time processing and training with a dataset of over 300 images. Demonstrated potential applications in industries like agriculture, security, and automation.

🔗 View Certificate

Intern | S&S Think hub – Dehradun, India | Jun 2024 – Jul 2024
Company Description: University-sponsored internship focused on DSA and problem solving
- Gained foundational knowledge in Java programming and best coding practices. Worked on solving Data Structures and Algorithms (DSA) problems, improving problem-solving skills and coding efficiency. Developed a strong understanding of core programming concepts and their application in real-world scenarios.

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