Skand Ashwani Singh

Vadodara, India

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EDUCATION

VIT Bhopal University   **Sept 2023 – Present**
B.Tech (CSE AI/ML) - **CGPA - 9.01**   *Bhopal, India*

St. Kabir Indian International School   **May 2023**
CBSE 12th (PCM+CS) - **Percentage - 92.2%**   *Vadodara, India*

St. Kabir Indian International School   **March 2021**
CBSE 10th - **Percentage - 90.16%**   *Vadodara, India*

INTERNSHIP/EXPERIENCE

Phonon Communications Pvt. Ltd. ↗   **Apr 2025 - Jun 2025**
Engineering Intern   *Vadodara, India*

- Utilized and gained understanding of iDeliver functionalities, along with Node.js, MongoDB, and SQL as primary technologies.
- Developed and managed the Node.js backend for a Chatbot project, ensuring proper functionality.
- Implemented necessary changes in MongoDB and SQL databases to support chatbot operations.

Shipd.ai ↗   **Aug 2024 - Dec 2024**
Algorithm Developer

- Solved and created algorithm problems in Python, Java
- Contributed solutions to train data for Large Language Models.
- Delivered high-quality solutions under a compensation-based model, consistently meeting task complexity

IOS Club, VITB ↗   **Mar 2024 - Present**
Technical Team Member

- Collaborated with team members to design and implement innovative technical solutions for various projects.
- Provided on-site support for team initiatives, ensuring smooth execution of project milestones and Participated in brainstorming sessions to refine project features and improve user experience.

PROJECTS

ChatZone - Real-time Chat Application ↗ | React, Node.js, Express.js, WebSockets (ws)   **May 2025**

- Developed a real-time chat application using React, Node.js, and Express.js, enabling instant messaging capabilities.
- Implemented real-time communication features with WebSockets ('ws'), ensuring seamless message delivery and user interaction.

ViaTour ↗ | Next.js, React, Tailwind CSS, JavaScript   **Nov 2024**

- Developed a comprehensive travel and tour booking platform enabling users to explore and book various travel packages.
- Utilized **Next.js** and **React** for efficient server-side rendering and dynamic user experiences.
- Styled the application using Tailwind CSS for a responsive and modern design.

Drowsiness Detection System ↗ | Python, OpenCV, Deep Learning, Computer Vision   **Feb 2025**

- Developed a real-time drowsiness detection system using deep learning and computer vision techniques.
- Implemented OpenCV to process live video feeds and detect drowsiness based on eye state analysis.
- Integrated real-time alert mechanisms, such as sound alarms, to notify drivers when drowsiness is detected.

TECHNICAL SKILLS

Languages: Typescript, Python, Java, C++, JavaScript, Bash, HTML/CSS
Developer Tools: VS Code, PyCharm, Git, Intellij Idea Ultimate
Technologies/Frameworks: NextJs, MERN Stack, Linux

Profiles: LeetCode | CodeForces

CERTIFICATIONS

- Responsive Web Design - FreeCodeCamp
- MERN Stack full guide - Udemy
- Applied Machine learning in Python - University of Michigan