

Skand Ashwani Singh

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TECHNICAL SKILLS

Languages: Typescript, Python, Java, C++, JavaScript, Bash, HTML/CSS

Technologies/Frameworks: NextJs, MERN Stack (MongoDB, Express.js, React, Node.js), Linux

Developer Tools: VS Code, PyCharm, Git, IntelliJ Idea Ultimate

Profiles: LeetCode, CodeForces

INTERNSHIP/EXPERIENCE

Engineering Intern

Phonon Communications Pvt. Ltd.

Apr 2025 – Jun 2025

Vadodara, India

- Implemented and managed the complete backend of a chatbot using Node.js, MongoDB, SQL, and the iDeliver platform.
- Optimized database schemas and refined backend logic to guarantee seamless and efficient chatbot operations.

Algorithm Developer

Shipd.ai

Aug 2024 – present

Remote

- Developed and solved complex algorithm problems in Python and Java to generate training data for Large Language Models.
- Delivered high-quality solutions for paid tasks of varying complexity, consistently meeting all performance metrics.

Technical Team Member

IOS Club, VITB

Mar 2024 – Present

Bhopal, India

- Contributed to the full project lifecycle, from brainstorming and feature refinement to hands-on implementation.
- Worked closely with team members to provide on-site support, ensuring the successful execution of project milestones.

PROJECTS

ChatZone - Real-time Chat Application

Full-Stack Development Project

May 2025

React, Node.js, Express.js, WebSockets (ws)

- Implemented core chat functionalities including instant message delivery, typing indicators, and read receipts.
- Designed the system to support multiple chat rooms and managed user sessions with secure authentication.

Drowsiness Detection System

Computer Vision Project

Feb 2025

Python, OpenCV, Deep Learning

- Developed a deep learning model to detect driver drowsiness in real-time by analyzing eye-state metrics from a live video feed.
- Implemented the system using OpenCV and integrated an immediate audible alarm to alert the driver when fatigue is detected.

EDUCATION

VIT Bhopal University

B.Tech in CSE (AI/ML) – CGPA: 9.01

Bhopal, India

Sept 2023 – Present

St. Kabir Indian International School

CBSE 12th (PCM+CS) – Percentage: 92.2%

Vadodara, India

2022-23

St. Kabir Indian International School

CBSE 10th – Percentage: 90.16%

Vadodara, India

202021

CERTIFICATIONS

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