

Vaibhav Srivastava

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EDUCATION

Jaypee University of Engineering and Technology
Bachelor of Technology in Computer Science and Engineering

CGPA - 7.0
July 2022 – May 2026

EXPERIENCE

Frontend Developer Intern

May 2025 – Present

Pitchmatter Holdings Inc.

Remote

- Developed responsive interfaces using **React.js**, **TypeScript**, **Vite**, and **Tailwind CSS**, translating Figma designs.
- Optimized UI performance for dynamic, cross-browser compatible applications in agile workflows.
- Skills: **React.js**, **TypeScript**, **Git**

AI Intern

Apr 2025 – Jun 2025

Agnirva

Remote

- Built **ML models** using **Scikit-learn** and **Pandas**, achieving over **95%** accuracy.
- Strengthened expertise in **AI/ML workflows**, including data preprocessing and model tuning.
- Skills: **Scikit-learn**, **Pandas**, **Machine Learning**

TECHNICAL SKILLS

Programming Languages: Python, C++, JavaScript

Web Development: React.js, Node.js, HTML, CSS

Database Management: MySQL, MongoDB

Frameworks/Tools: Express.js, TensorFlow, Git

Other: Data Structures and Algorithms, Object-Oriented Programming, Computer Networks

PROJECTS

PromptPilot | *Python, Shell, OpenRouter, Html, LLM Integration*

[View Project](#)

- Developed a **VS Code extension** that executes natural language tasks via shell commands using local **LLMs**.
- Integrated **OpenRouter** for AI-driven planning and error-aware command refinement..
- Automated **CLI** workflows, cutting manual effort by **70%** with real-time execution and feedback.

SkyNest | *React.js, Express.js, MongoDB, RESTful APIs*

[View Project](#)

- Designed and developed dynamic user interfaces with **React.js**, achieving **100% cross-device responsiveness** and reducing page load time by **35%** through code optimization and lazy loading.
- Engineered a **scalable back-end system** using **Express.js**, creating **12+ RESTful APIs** for authentication, property management, and user analytics, serving **500+** mock users during testing.
- Optimized **MongoDB** operations by redesigning schemas and indexing strategies, cutting query response time by **40%** and improving scalability for high-traffic scenarios.

Real-Time Sign Language to Text Converter | *Python, TensorFlow, Machine Learning*

[View Project](#)

- Trained a **CNN model** with **TensorFlow/Keras** on a dataset of **10,000+ sign gestures**, achieving **95% test accuracy** and real-time inference at 30 FPS using webcam input.
- Deployed the model with **OpenCV** for live gesture detection, reducing prediction latency to **50ms** through model quantization and multi-threaded processing.
- Focused on accessibility by enhancing communication for individuals with hearing and speech impairment.

ACHIEVEMENTS

- Ranked **Top 20** in Intel Hackstorm Hackathon 2024.
- Solved **120+ coding problems** on LeetCode, with a Contest Rating of **1,550**.
- Active participant in coding contests and technical events at JUET.