Jay Shirgupe
Competitive Programmer | Developer

📍 Pune, Maharashtra   🔘 Jay7221   🌐 [Portfolio](#)
📞 +91 8390832186   ✉️ jns29072003@gmail.com   🔗 Jay Shirgupe

Education

Program	Institution/Board	%/CGPA	Year
B.Tech (Computer Science and Engineering)	Walchand College of Engineering, Sangli	9.57/10	2021-2025
HSC	SNBP Junior College, Pune	95%	2021

Work Experience

1. Cooptem (ML Intern)
  December 8, 2023, to January 8, 2024

- Worked on building a query engine to ground LLM response using knowledge graphs.
- Worked on creating knowledge graph embeddings for querying and knowledge graph completion.
- Worked on RAG pipeline for question-answering using LLM and knowledge graphs.

Key Projects

1. Idea Management Platform
(Django + HTML + CSS)

- COEP MindSpark22 Webathon Project
- Collaborated with a team of 4 to develop a web portal for idea submission within organizations.
- Implemented a review system for managers to approve and track ideas.
- Established multiple user groups with robust authentication.
- Utilized PostgreSQL for efficient data storage.

Achievement - Awarded 2nd prize in the COEP MindSpark22 BridgeStone Webathon.
GitHub - https://github.com/KattaGang/BridgeStoneProjectHostRepo

2. GestureFlow - Gesture-Controlled Presentation Tool

- Developed real-time presentation software enabling gesture-based interaction using Python and OpenCV.
- Implemented camera feed capture and image display for dynamic visual feedback.
- Utilized a hand tracking module (mediapipe) to recognize gestures, allowing drawing, erasing, and pointer size adjustment.
- Customized and extended hand gesture recognition for an intuitive presentation navigation system.

GitHub - https://github.com/Jay7221/gesture-flow

Certifications

Amazon ML Summer School 2023 - [link](#)

Technical Skills

Programming Languages	**Web Development**	**Other Tools & Technologies**
• C/C++ • Python	• Django • MERN (Novice)	• Git • Pytorch

Achievements/Awards

- **6 Star CodeChef -** one_autum_leaf
- **Expert CodeForces -** one_autum_leaf
- **Codeft , AIT Pune -** 2nd Prize
- **Codevert, WCE Electrovert22 -** 1st Prize
- **CodeJunkie Centrio, COEP MS22 -** 1st Prize
- **BridgeStone Webathon, COEP MindSpark22 -** 2nd Prize
- **ACM Hackathon 2022 -** 2nd Prize(Novice Track)
- **Google Kickstart Round C 2022** - Global Rank 666
- **Certificates -** [link](#)