**Mayank Joshi**

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## Education

Amrapali University, Haldwani  
Bachelor of Technology in Artificial Intelligence and Machine Learning: Aug 2024 – Jul 2028  
Scholars Academic Home: Intermediate (CBSE): March 2023  
Scholars Academic Home: Matriculation (CBSE): March 2021

## Projects

* Gesture-Controlled 2D Boxing Game
* Python, OpenCV, MediaPipe, PyGame | May 2025 – Ongoing  
  Multiplayer game with hand gesture control, voice commands, bot AI, and arcade-style UI hosted on Firebase.
* Multiplayer Bike Racing Game (2D)
* Python, Firebase Realtime DB | May 2025 – Ongoing  
  Real-time racing with obstacles, curves, and multiplayer web support.
* Bot AI for Multiplayer Games
* Python, Gesture Recognition | May 2025  
  AI bot reacts to player proximity and gestures for improved challenge.
* Mini Web & Python Games Suite

JavaScript, Python, HTML/CSS | Mar – Apr 2025  
Games: Country Guesser, Rage Baiter, Word Guesser. Focused on clean UI and interactive gameplay.

* IPL-2024 Player Performance Analyzer
* Python, Machine Learning, Deep Learning | Feb – Mar 2025  
  Built ML/DL models to rank IPL players during YBI internship using feature engineering and visualization.
* Multi-Functional Assistive Glove for Disabilities

AI, IoT, Sensor Fusion | Apr 2025 – Ongoing  
Smart glove for visual/auditory impairments with gesture control, object detection, and emotion sensing.

* Portfolio Website
* HTML, CSS, JavaScript, Firebase | May 2025  
  Dark-mode portfolio with projects and resume. Live at: https://mayank-joshi-portfolio.web.app

## Technical Skills

**Programming**: Python, C, HTML, CSS, JavaScript  
**Tools**: VS Code, Jupyter Notebook, Google Colab, Git, Firebase  
**Frameworks**: OpenCV, MediaPipe, Scikit-learn, Matplotlib, NumPy, Pandas  
**Databases**: MySQL, Firebase Realtime DB  
**Cloud/DevOps**: Google Cloud Platform (GCP), Firebase Hosting

## Certifications & Coursework

- Python with Data Science & AI/ML Internship – YBI Foundation  
- Python Programming Course – Cisco   
- Fundamentals Of AI : Cisco and Microsoft   
- Azure AI : Microsoft

## Involvement & Achievements

Internshala Student Partner (ISP) | May 2025 – Present  
• Promoting Internshala programs in college; improving leadership and communication skills.  
Academic Project Intern – YBI Foundation  
Completed internship focused on machine learning and data analytics.  
Hackathons & Competitions  
• Participated in coding and AI events; built gesture-controlled games and assistive tech.

GitHub Contributions

• Sharing ML/DL projects and mini-games.  
• Maintains active portfolio and contributes to open-source.