

Khushi Jain

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Jabalpur, Madhya Pradesh - 482005, India

EDUCATION

- **Indian Institute of Information Technology Kottayam** 2022 - 2026
Bachelor of Technology (B.Tech.) Kerala, India
 - GPA: 8.416/10.00
- **St. Joseph's Convent Sr. Sec. School, Ranjhi** 2022
12th Jabalpur (M.P.), India
 - Grade: 95.2%

SKILLS

- **Languages:** C, C++, Java, Python, R
- **Web Development:** ReactJS, Django, Flask, Node.js, HTML, CSS, Bootstrap, MySQL, SQLite
- **Libraries:** TensorFlow, PyTorch, Keras, OpenCV, Scikit-learn, Pandas, NumPy
- **Tools & Others:** Git, GitHub, Docker, Flutter

PROJECTS

- **Towards Sustainable Cloud Computing: Energy-Aware Dynamic Resource Allocation** Feb 2025 - Ongoing
Tools: [Cloud, Machine Learning, Scheduling Algorithms] [\[G\]](#)
 - Developing a predictive model to estimate host temperature based on CPU usage, RAM, storage, fan activity, and environmental conditions.
 - Implementing a scheduling algorithm for optimized load distribution, effectively reducing overheating and improving system performance.
- **RxEase: Doctor's Handwriting Prediction and connecting different Pharmacy** Feb 2025 - Ongoing
Tools: [Image Processing, Neural Networks, Deep Learning, Nodejs, MongoDB, Reactjs] [\[G\]](#)
 - Developing an AI model to recognize and interpret doctors' handwriting using Image Processing.
 - Implementing neural network techniques for accurate text prediction.
 - Connect different pharmacies with users.
- **Lab Manual IIITK: Parallel & Distributed Computing** Dec 2024
Tools: [C++, OpenMP, MPI] [\[G\]](#)
 - Contributed to the lab manual by designing and demonstrating serial and parallel implementations of Dijkstra's algorithm and Parallel Hash Join.
- **Bypass Broker: Hostel/PG/Homestay Finder** Aug 2024 - Oct 2024
Tools: [Flutter, Machine Learning, APIs] [\[G\]](#)
 - Developed a property listing platform that displays available hostel/PG/homestays based on user input, such as location, check-in/check-out dates, and occupancy type (student/parent).
 - Integrated multiple payment gateways, automated bill notifications, and applied restriction filters to refine search results.
- **EazyMove: Hands-Free Navigation System** Feb 2024 - Mar 2024
Tools: [Computer Vision, PyAutoGUI] [\[G\]](#)
 - Engineered a gesture-based system to control the cursor dynamically without a mouse.
 - Smooth pointer movement, seamless selection via hand contractions, and three-finger swipe gestures for quick tab navigation.
- **Club Management System: IIIT Kottayam** Nov 2023
Tools: [Django, HTML, CSS, JavaScript] [\[G\]](#)

- Developed a web-based portal to manage the operations of IIIT Kottayam’s cultural clubs, including Wildbeats.

ACHIEVEMENTS AND CERTIFICATES

Oct '24 ACM Women India - Finalist	Feb '24 NetSim
Mar '24 Drone Workshop - Space Labs	June '24 Finlatics ML - LOR & Certificate
Oct '23 Google Cloud - GDSC IIITK	Jan '25 AlgoUniversity - Graph Theory
Sept '23 SIH Internal Hackathon winner	

LEADERSHIP AND VOLUNTEER EXPERIENCE

<ul style="list-style-type: none">• Art Club, Sub-Lead IIIT Kottayam	2023 - 2024
<ul style="list-style-type: none">◦ Organized 10+ events (Trash To Treasure, Blizzart, IEEE decoration), workshops, and festivals (Deep-o-Dashmi).◦ Coordinated with team members and guided core team members and volunteers.	
<ul style="list-style-type: none">• PR and Management IIIT Kottayam	2023 - 2024
<ul style="list-style-type: none">◦ BetaLabs (Technical Club, IIIT Kottayam) member.	

ADDITIONAL INFORMATION

<ul style="list-style-type: none">• Languages: Hindi, English, Sanskrit, French• Interests: Art and creativity, Poetry, Designing• Sports: Badminton, Chess, Volleyball (1st Runner-up Intra Sports Meet, IIIT Kottayam)	
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