

Priyanka Choudhary

Ph.D. - Computer Science and Engineering

✉ phd2201101006@iiti.ac.in

☎ +91-9993949223

🌐 LinkedIn Profile

EDUCATION

Degree/Certificate	Institute	CGPA/Percentage	Year
Ph.D.	Indian Institute of Technology Indore	9.36	2022-Present
M.Tech.	Devi Ahilya Vishwavidyalaya (DAVV), Indore	8.0	2019
B.E.	Jawaharlal Institute of Technology, Borawan	8.3	2017
Higher Secondary	Madhya Pradesh Board	88%	2013

PUBLICATIONS

- **Automatic Signboard Recognition in Low Quality Night Images**
International Conference on Computer Vision and Image Processing (CVIP), IIT Jammu, November 03-05, 2023
Authors: Manas Kagde, **Priyanka Choudhary**, Rishi Joshi and Somnath Dey

EXPERIENCE

- **Devi Ahilya Vishwavidyalaya, Indore** *Jan.–May 2020*
Indore, India
Visiting Faculty
 - **Subjects:** Computer Architecture and Data Mining
 - **Responsibilities:** Designing and conducting lab sessions and lab viva, assisting students with experiments

ACADEMIC PROJECTS

- **Real-Time Hand Gesture Recognition using CNN** *Aug.–Nov. 2022*
Ph.D. Coursework Project
 - Real-time hand gesture recognition model captures webcam images and classifies the detected gestures in real time.
 - The training utilized a dataset of American sign language alphabets, spanning from A to Z.
 - Additionally, an accuracy comparison was carried out between training from scratch and applying transfer learning on the VGG16 model.
- **CCTV Data Requisitioning, (MP Police Reforms Project)** *July 2018–June 2019*
Supervisor: Dr. Ugrasen Suman (School of Computer Science and IT, DAVV, Indore)
 - The module comprises two distinct components: "CCTV Enrolling App" and "Data Requisitioning Module".
 - The "CCTV Enrolling App" is built to collect surveillance camera information with basic details such as the camera's location and facing direction.
 - Location and direction are used for mapping the area covered by cameras on Google Maps
 - The "Data Requisitioning Module" acquires the live CCTV footage from the surveillance cameras, whose information was collected formerly.
- **Women Security App** *Mar.–June 2017*
B.E. Project
 - It is an Android application designed to aid women in dangerous situations by allowing them to send messages to their family members through the long volume button press. The message communication also includes GPS-captured location.

TECHNICAL SKILLS

- **Programming and Software:** C/C++, Java, Android, Python, MATLAB, Git, L^AT_EX
- **Tools/Frameworks:** PyTorch, OpenCV, TensorFlow

ACHIEVEMENTS

- **UGC-NET-JRF**, qualified in "December 2020 and June 2021 (merged cycle)" *Feb. 2022*
- **UGC-NET-LS**, qualified *Dec. 2018, June 2019, June 2020*
- **GATE**, qualified *Mar. 2017*
- **Class Representative**, M.Tech. *2017-18*
- **Class Topper and Medhavi Vidyarthi Award by Chief Minister (MP)**, Higher Secondary *2013*

WORKSHOPS AND TRAINING

- **Participated in Madhya Pradesh Ph.D. Colloquium 2022**, AIGGPA, Bhopal *28-29 Apr. 2022*
- **Workshop on AWS Solution Architect–Associate**, SCSIT and GRRAS Solutions, Indore *Mar.-Apr. 2019*
- **Training on MATLAB**, DAVV Indore (sponsored by RUSA) *Aug. 2018*
- **Workshop on Algorithm Design and Program Optimization Techniques**, DAVV, Indore *Apr. 2018*

POSITIONS OF RESPONSIBILITY

- **Organizing and Anchoring Committee Member**, Computer Science Research Symposium at IIT Indore *2023*
- **Member of Organizing Committee**, Women's Day Celebration at Devi Ahilya Vishwavidyalaya, Indore *2019*
- **Member of Organizing Committee**, Smart Girl Workshop at Devi Ahilya Vishwavidyalaya, Indore *2018*