

GARS CS Application

GSMS ID: 16209691



CS Application Details

Research Interests

Area of Study

Machine Learning, Reinforcement Learning, Artificial Intelligence

Potential Supervisors

Omid Ardakanian,Martha White,Dale Schuurmans

Financial

Scholarships Held

N/A

Scholarships Applied For

N/A

Need for Financial Support

Yes

GPA

GPA	GPA Scale	Normalized GPA	Institution
19.5	20	3.90	Shahid Beheshti University

Manual GPA

4

GRE

GRE Date	Type
	N/A

Verbal	Quantitative	Analytical	GRE CS

Citizenship

Country of Citizenship	Country of Degree	Current Country	Immigration Status
Iran	Iran	Iran	INT

## Research Experience

In my undergraduate capstone project, I explored the rapidly growing field of smart home technology and specifically focused on the development of a face recognition-based door lock system. With my background in computer science and my expertise in image processing and circuit design, I designed a system that leverages a Raspberry Pi as its processing platform. To achieve robust face recognition, I implemented the Haar classification method using Python programming language and OpenCV libraries. The system compares a person's image captured by the camera to a database of registered individuals and determines their identity, either as a household member or registered guest. Depending on the outcome, the system generates an appropriate response, such as sending a verification code or a photo to the homeowner, and upon successful verification, unlocks the door. This capstone project offered me a valuable and enriching experience to apply my knowledge and skills in computer science, artificial intelligence, and IoT to solve a practical problem in the real world.

### Publications

### Awards

## Education History

### Degrees

Degree	University	Country	Date (Awarded/Expected)
B. Sc. in computer Engineering	Shahid Beheshti University	Iran	2022-02-19

### Courses Taken

### Masters Thesis Title

### Thesis Abstract

## Equity, Diversity & Inclusion

I identify as

- a woman,
- non-binary,
- a person with disabilities,
- an indigenous person (First Nations, Inuit, or Métis), and/or
- a member of the LGBTQ2+ community

Yes

Additional Details