

HAJEERA KHANUM

Curious engineer passionate in developing user-facing software. Technically savvy and skilled at quickly learning new domains. Highly interested in the field of computer science and its application in AI and Business Development.

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EDUCATION

M.Tech - Computer Science

Rajeev Institute of Technology- Hassan, India

12/2020 - Present

CGPA: 8.03

B.E - Computer Science

Rajeev Institute of Technology- Hassan, India

08/2016 - 09/2020

12th Boards

St. Philomena's PU College- Hassan, India

2016

INTERNSHIPS

Student Intern

Loginware Softtec Pvt.Ltd

09/2021 - 10/2021

Hassan, India

Projects

- Worked with Artificial Intelligence and Computer Vision technologies to built an interactive and dynamic system.
- Added features allowing users to select between multiple choices in a real time project.
- Utilizing high impact features like capturing and recognize various hand gestures and hand tip gestures.

Student Intern

Loginware Softtec Pvt.Ltd

07/2019 - 08/2019

Hassan, India

Projects

- Built the design and development of system using IOT and Machine Learning on Raspberry Pi Platform and Python Enterprise Applications.
- Designed and implemented a cafe billing system to create minimum viable product with tkinter (Python).
- Productionized a service that automatically pushes to Cloud and IOT to built GUI Application.

SKILLS

JavaScript

Python

HTML

CSS

SQL

PROJECTS

Shopie (2022)

- Shopie is a responsive e-commerce website initially focused on online products sales such as consumer electronics, home essentials etc.
- Designed using HTML, CSS, Javascript and PHP pdo.
- UI Tool: Figma

Smart Presentation Control by Hand Gestures Using Computer Vision and Google's MediaPipe (2022)

- Developed with Opencv- Python, built-in Machine Learning framework MediaPipe for hand gesture recognition.
- Capture and interpret hand gestures to control presentation without touching input devices physically.
- Actions: Go to next slide, previous slide, pointer to add and erase on slide.

AI based Real-Time Virtual Examination System using Open Computer Vision (2021)

- Implemented using Python, MediaPipe framework, OpenCV, TensorFlow, NumPy. Makes use of hand gestures to perform exam.
- Works very well in real-world application where there is no space to use input devices.
- Tool: Pycharm

PERSONAL PROJECT

My Website (2019 - Present)

- Maintaining the website interactive while applying the HTML, CSS and JavaScript skills

RESEARCH ACTIVITY

Published and Presented a paper titled "Smart Presentation Control by Hand Gestures Using Computer Vision and Google's MediaPipe" (07/2022)

International Research Journal of Engineering and Technology (IRJET)

SOFT SKILLS

Analytical

Communication

Team Work

Problem Solving