

MANAS SINHA

SOFTWARE ENGINEERING INTERN

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PROJECTS

HANDWRITING RECOGNITION

Tech stack — CNN, Flask, Tensorflow, HTML, CSS

- A CNN-based classifier trained over the MNIST dataset, able to recognize hand-written digits.
- The project was deployed on a flask web server.

GESTURE CONTROLLED MOUSE POINTER

Tech stack — OpenCV, Python, Color Detection

- This program tracks the green color dot on the palm and uses the data to reposition the mouse pointer automatically.
- Pyautogui was used to control the mouse pointer.

MAZE SOLVER BOT

Tech stack — Arduino, Line Following

- Arduino Based Line Follower bot that finds the path in a maze using the left-hand rule.
- The bot was made for the techfest IIT BHU 2019 (TECHNEX)

PORTFOLIO WEBSITE

Tech stack — HTML, CSS, SCSS, GIT

- A front-end heavy personal website for displaying my projects with an aesthetically pleasing UI.
- The website is hosted live on Github pages.
- <https://ghostlypresence.github.io/manassinha-portfolio/>

ABILITY

AI, COMPUTER VISION, IoT, AUGMENTED REALITY, IMAGE PROCESSING

EDUCATION

BIRLA INSTITUTE OF TECHNOLOGY, MESRA

— B.TECH. IN ELECTRONICS AND COMMUNICATION ENGINEERING

AUGUST 2018- MAY 2022
[EXPECTED]

GPA: 8.2/10

PARK MOUNT PUBLIC SCHOOL, PATNA — XIIth

APRIL 2016 - MARCH 2018

PERCENTAGE: 88%

WORK EXPERIENCE

PHYTOON.COM — Freelance Tech Content Writer

March 2021 - PRESENT

Weekly articles on various topics.

SKILLS

COMPETITIVE PROGRAMMING,
C++, PYTHON, HTML, CSS, OPENCV FLASK, ARDUINO, LINUX

ACHIEVEMENTS

Droid Trooper Pantheon 2019
1st prize

