Herumb Shandilya

herumbshandilya123@gmail.com | +91 9354550509 | | linkedin.com/in/herumb-s-740163131/ | krypticmouse.github.io/ |
github.com/krypticmouse | stackoverflow.com/users/12089982/krypticmouse

EXPERIENCE

Junior ML Engineer, Omdena   *Mar 2021 - Present*
- Working together along with 45 changemakers from 22 countries.
- Building Sustainable Livestock Farming Computer Vision Models on Edge Device

Technical Content Intern, GeeksforGeeks   *Dec 2020 - Present*
- Writing articles related to Machine Learning explaining the process and code related to the topic.

Data Science Intern, Internity Foundation   *Dec 2020 - Jan 2021*
- Working on projects of various domains like ML, Data Science, DBMS etc.
- Directly talking to the clients to meet the requirement of the given task.

Freelancer, Freelancing   *Nov 2020 - Present*
- Working on projects of various domains like ML, Data Science, DBMS etc.
- Directly talking to the clients to meet the requirement of the given task.

Data Science and Machine Learning Teaching Assistant, Coding Ninjas   *May 2020 - Sep 2020*
- Mentored a group of students in their course Data Science and Machine Learning.
- Evaluated and improved the projects developed by students as a part of the course.

Data Structure And Algorithm Teaching Assistant, Coding Ninjas   *Dec 2019 - Apr 2020*
- Mentored a group of students in their course Data Structure and Algorithm using C++.
- Served as an influential contributor to projects developed by the students.

EDUCATION

Bachelor of Technology, Computer Science and Engineering   *Jul 2018 - Present*
Jaypee Institute of Information Technology

PROJECTS

OMR Sheet Evaluator [OpenCV, Flask, SQLite, Jinja2, Numpy, HTML/CSS]
- Deployed over the web, it takes the image of the OMR sheet filled by the students and answer key file.
- Displays the result of the student along with the enrollment no. by finding the choice he filled in OMR.

Social Distance Surveillance [PyTorch, Detectron2, HTML, Flask, NodeMCU, Firebase, Scipy, Numpy, OpenCV]
- Streamed the processed video to the web, which marks people not maintaining social distance
- This data was fetched by NodeMCU from Firebase which generated the LED alert for the corresponding frame.

Face ID Lock using Raspberry Pi [OpenCV, Raspberry Pi]
- A Biometric Door Lock that can register a user by taking 30 snapshots of the user's face and train a face recognizer to recognize the user. The door was unlocked using GPIO Zero Library to control the lock

Medicine Prediction
- Deploy a model that takes an image of a medicine strip cut out as input.
- Predicted the medicine name based on the cosine similarity score of the text with the database scraped from netmeds.com.

Other Projects
- Projects that I created while learning and in Freelancing, they cover various topics from ML as well other domains.
- **Link(My Web Portfolio):** krypticmouse.github.io

SKILLS

Languages: C | C++ | Python | SQL | HTML/CSS
ML Libraries: Numpy | Pandas | Scipy | Matplotlib | Plotly | Seaborn | NLTK | OpenCV
ML Frameworks: Sklearn | PyTorch | XGBoost
Deployment Tools: Flask | FastAPI | Streamlit | Heroku
Other Tools: Bootstrap | Git | BeautifulSoup | Selenium | Linux | Data Structures | Arduino | Raspberry Pi
Soft Skills: Quick Learner | Time management | Project Management | Communication Skills | Content Writing
Technical Skills: ML | Statistics | Data Science | Data Analysis | IoT | NLP | Computer Vision | Image Processing

Volunteering Experience

- AI Changemaker, **Dphi**
- Volunteer, **Microcontroller Based Robotics Club**
- Campus Fellow / Mentor, **EduAlgo**

Content Writing

- **GeeksforGeeks** | **Medium** | **ML Tutorial Series**