

RASHMIL PANCHANI

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rashmilpanchani.me

Education

University of Illinois Urbana-Champaign

Master of Computer Science

Champaign, Illinois

Joining Aug. 2021

University of Mumbai, Dwarkadas J. Sanghvi College of Engineering

Bachelor of Engineering in Computer Engineering, CGPA: 9.97/10

Mumbai, India

Aug. 2017 – June 2021

Experience

Phionike Solutions

May 2019 – July 2019

Technology and Machine Learning Research Intern

Mumbai, Maharashtra

- Worked to set up the ML R&D division for the company, laying foundations for various ML projects. Performed the requirements analysis and risk analysis of the entire projects. Built and deployed an Amazon's Alexa Skill named "Blogger" that can read blogs for the user from the requested feed.

peAR Technologies

January 2019 – February 2019

Professional Photographer

Mumbai, Maharashtra

- Worked as a professional Photographer to create a dataset of various food dishes. Images of the dish from various angles so that it can be used to recreate the original dish in 3D using Unity Software for an Augmented Reality based App that changes the way you order your food.

Publications

- A. Shah, R. Shah, M. Gandhi, **R. Panchani**, G. Thakur, K. Srivastava, "Analysis of the Effectiveness of the Non-vaccine countermeasures taken by the Indian Government against Covid-19 and Forecasting using Machine learning and Deep learning.", Technical chapter No. 22 accepted to "Design of Intelligent System using Machine Learning and Deep Learning" Published by CRC Press Taylor&Francis Group.

Projects

Garduino - A Smart IoT enabled Garden

- An IoT based smart application to monitor and control the plants using various sensors and solenoid valves.

Natural Language Processing Projects & Computer Vision Projects

- Telegram Chatbot to answer Stack Overflow Questions, NER, PoS Tagging, Poetry Generation, Sarcasm Detection and various other text classification projects. Face recognition, Emotion Recognizer and Car number plate detector from CCTV footage using OpenCV.

Automation Projects

- A bot, to play a game's events using OpenCV and pyautogui modules, to reduce human effort. Library Attendance Manager, deployed in college library to maintain logs of entry.

Web Projects

- Profile page in ReactJS, DJ Archive (project Lead and Collaborator), College Event Manager (Project Collaborator)

Smart India Hackathon Project & E - Yantra Competition

- Winner in intra-college hackathon for building a platform that helps teachers engage students in online lectures by providing analysis of the lectures. For E -Yantra competition, built a line-following robot and reached semi- finals of the competition.

Technical Skills

Programming Languages: Python, JavaScript, C, C++, Go, Java, Embedded C

Libraries & Frameworks: Node.js, Flask, Django, HTML, CSS, Bootstrap 4, React, GraphQL, Keras, TensorFlow 1&2, OpenCV, NumPy, Pandas, Matplotlib, Arduino, WebRTC, skfuzzy, NLTK, spacy

Databases: MySQL, PostgreSQL, SQLite, MongoDB, Redis

Tools & Platforms: Git, Docker, AWS, GCP, Heroku, Hasura

Activities

- Currently mentoring ~40 sophomores and ~20 Third Years and also the Events Head at DJ Unicode (technical committee in the CS department) to develop internal college projects and guide the juniors.
- Leader of E-Yantra Robotics Competition team where we built a line following robot with pick and place mechanism.
- Conducted Workshops on "Web Development with Django" and "Programming with Python" for Freshmen and Sophomores.
- Mentored 2 teams of sophomores for a 4 Month and a year-long college project.
- Participated in Smart India Hackathon (SIH) 2020 and Codeshastra Hackathon 2020 and completed numerous Courses from Coursera.