Pratyush Raj

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Projects: github.com/rajpratyush **Portfolio**: rajpratyush.github.io

EDUCATION

Cochin University College of Engineering, Kuttanad (CUSAT) 2017 - 2022
Bachelor of Technology (B.Tech) in Computer Science and Engineering

SKILLS

- **Languages:** Java, Python, Go, Rust, C++, JavaScript, TypeScript
- **Lib/Frameworks:** Node, React, P5.js TensorFlow, Flask, Streamlit, PyCaret, PyTorch, PyTest, JobLib
- **Tools:** Docker, Kubernetes, CI/CD
- **Platforms:** Google Cloud Platform, Microsoft Azure, Heroku
- **Databases:** SQL, MongoDB, CockroachDB, Cloud Databases

WORK EXPERIENCE & OPEN SOURCE CONTRIBUTIONS

TA & Python Instructor at Two Waits *05/2021 - 07/2021*
- Instructed 150+ students of multiple batches to reinforce learning concepts.

Girl Script Summer of Code Mentor – CoinShift Imaging Box *03/2021 - 06/2021*
- Helped the participants to how to make their first contribution to the project.
- Gave them insights on how to create a Pull request and open up an issue. and clarified their doubts.

Campus Leader - Code for Cause *02/2021 - 05/2021*
- Mentored students & Conducted various workshops
- Undertook programming bootcamps and workshops in C and C++ as a campus leader.
- Gave talks on open source, guided and motivated students to help them proceed in the world of open source

DevScript Winter of Code Project Maintainer - SoDV Detector *01/2021 - 02/ 2020*
- Mentored participants and guided them on making contributions to this project.

Data Science & Business Analytics Intern - The Sparks Foundation *11/2020 - 12/2020*
- Solved the Various tasks related to Data science.
- The Exploratory data analysis was carried out and ML models were made on various datasets using various open source libraries.

Data Engineering Trainee - MedTourEasy *10/ 2020 - 11/2020*
- Completed Data Engineering with Google Cloud Specialization.
- Implemented the learnings in the practical labs taken over Qwiklabs.

TEACHING & VOLUNTEERING EXPERIENCE

- Instructed hundreds of students at the Learn from Home program by Programmer Me Developer Society for Python, C++.
- Technical Mentor at Hack UTD: The VII Seas, SF Hacks 2021, HACKaBULL, Uncommon Hacks, Hack-TJ 8.0, Oceania Hacks, Bit camp 2021, Citrus Hacks, Venus Hacks, Hydrangea Hacks, GSB hacks.
- Open Source Contributor. (Microsoft-Graspologic, Matplotlib, PyCaret, Streamlit, GeoPandas, Scikit-Image, dask, Google-Python- Fire, TimeSketch)
- KVPY Scholar.
- Mentor @MLH.

PROJECTS:

- **NEST** - A web app for predicting prices of houses using Visual and Textual Features using an optimized Deep Learning method.
- **Neuror** - An android app connecting people suffering from autism with their prospective employers considering their special needs.
- **SpaceX** – A MERN Stack based web app to browse all the space programs launched by SpaceX with their Successful landing, Successful launch and Year of launch
- **SoDV Detector** - An Application to detect social distancing which can be used to detect people in video streams using the YOLO object detection.

LEADERSHIP AND AWARDS:

- 2020 EMEA - Code For Good Hackathon Winner organized by:- J. P. Morgan Chase (Team-7, Neuror)
- Best use of Google Cloud in Neighbourhood Hacks
- Runner up in Twilio Quest Challenge in Hack Cade
- Domain.com Challenge Winner in Pride Hacks.
- 24th and 13th positions in Hacker Earth Deep Learning and Machine Learning monthly challenges.

CERTIFICATIONS & COURSES:

- Cloud Engineering with Google Cloud
- Linux Foundation System Administration,
- TensorFlow 2 for Deep Learning Specialization
- Deep Learning Specialization
- Responsive Web Design
- Deep Learning.AI TensorFlow Developer Professional Certification
- TensorFlow: Data and Deployment Specialization
- Full Stack Web and Multiplatform Mobile App Development Specialization through React

INTERPERSONAL SKILLS:

- Complex Problem Solving
- Quick Learning
- Googling
- System Troubleshooting
- Self-Motivated
- Responsible
- Good Listener and Communicative