


Pushkar Jain

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EDUCATION

- BE in COMPUTER ENGINEERING, HONORS in AI/ML** July 2019 - June 2023
Pune Institute of Computer Technology
CGPA: 9.79
Pune, India
- Higher Secondary Education (Class 12th)** July 2017 - June 2019
Rajiv Gandhi Science Junior College
Percentage: 83.23
Pune, India

SKILLS SUMMARY

- Key Skills:** Data Structures and Algorithms, Machine Learning, Web Development, React JS
- Languages:** C++, Python, JavaScript, JAVA
- Frameworks:** Scikit Learn, TensorFlow, Keras, Django, NodeJS
- Tools:** AWS S3, GIT, MySQL, MongoDB, Firebase

WORK EXPERIENCE

- AI Research Intern** Mar 2021 - Present
SCAAI(Symbiosis Centre for Applied AI)
* Worked on **Graph Neural Networks (GNN) and Computer Vision**. [[Certificate](#)]
* Published a research paper in **CVPR 2022** conference of Vision for all Seasons: Adverse Weather and Lighting Conditions Workshop - **RestoreX-AI: A Contrastive Approach towards Guiding Image Restoration via Explainable AI Systems**. [[Paper](#)]
- Full Stack Web Developer** May 2021 - July 2021
Solapur Police *Remote*
* Worked on creation of website for the **Police Transfer Process** of the entire Solapur Police Force
* The website is being used for the **transfers of 400-500 policemen** thus saving time, human efforts and avoiding manual errors
* **Impact:** Reduces the 10-15 days required to just a single day
* Technologies used - **React JS, Firebase, Material UI**. [[Website](#)][[Certificate](#)]

PROJECTS

- MARKSHEET PDF READER:** [[Website](#)][[Source Code](#)][[Certificate](#)]
 - Worked under Prof. **Dr. Girish Potdar** to extract information from the **Result Ledgers of Savitribai Phule Pune University** to store data in **MySQL** database.
 - Doing **Data Analysis** and creating **graphs and tables**, pdfs to summarise the results of students.
 - Impact:** The project **currently being used**, cuts back redundant work done by staff helps professors access students' performance
 - Technologies used - **React JS, MySQL, Python, AWS S3, Node JS**
- SMART HELMET SYSTEMS:** [[App Source Code](#)]
 - Project aimed to **reduce accidents and increase safety of two wheeler riders**.
 - The project **detects whether the driver has worn helmet** or not and alerts him.
 - Along with it we designed an **Accident Detection Android App** which sends **SOS** along with **location** to his emergency Contacts using **Google Maps API**.
 - Project appreciated by **Dr. P.T Kulkarni, Director of PICT** and was then **sponsored by college**.
 - Technologies used - **Flutter, Arduino, Google Maps API**

PUBLICATIONS

- RestoreX-AI: A Contrastive Approach towards Guiding Image Restoration via Explainable AI Systems:** CVPR 2022 conference of Vision for all Seasons [[Paper](#)]
- Mars Imagery Classification: A Galactic Battle between Knowledge Transfer Networks and their Dual-Attention Armed Adversaries:** 2022 IEEE 7th International conference for Convergence in Technology [[Paper](#)]

HONORS AND AWARDS

- Awarded **2nd prize** at **IIT Bombay Techfest** in Vision Safety Ideathon - February, 2022. [[Certificate](#)]
- Won **3rd prize** at **Road Safety Hackathon** of Ministry of Road Transport and Highways - May, 2022

CODING PROFILES

[Leetcode](#) [GFG](#)

VOLUNTEER EXPERIENCE

- Vice Head of Machine Learning at PICT CSI STUDENT BRANCH (PCSB)** Pune, India
Conducted online technical SIGs impacting over 200 students.
Organised DataCup (a ML event) with 100+ registrations. [[Certificate](#)]
Nov 2020 - July 2021