TUSHAR GUPTA

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GitHub | Linkedin | Portfolio | LeetCode | CodeForces

EDUCATION

KIET Group of Institutions | AKTU   Ghaziabad, India
B.Tech in Computer Science and Information Technology - *90.6%*   September 2019 - September 2023

Montfort Inter College | CBSE   Lucknow, India
Intermediate Science - *94.7%*   July 2018 - July 2019

Montfort Inter College | CBSE   Lucknow, India
High School - *95%*   July 2016 - July 2017

EXPERIENCE

The Processing Foundation | Summer Fellow   **Remote | June 2022 - September 2022**
- Processing is a GSoC organization that invited me to directly to work on the proposal I submitted for GSoC22
- Implemented a graphical renderer for p5py using Skia along with a CI setup to integrate visual tests using GitHub Actions

GitHub | GitHub Campus Experts (Volunteer)   **Remote | July 2021 - Present**
- Grow and build a technical society in our community with the support of GitHub. Conducted a national level technical hackathon with over 1k+ registrations

Linux World | MLOps Training Intern   **Remote | May 2020 - June 2020**
- Implemented CI/CD pipelines to build and deploy ML models using Jenkis, RedHat Linux and Docker

OpenSource | Contributor
- Major open source contributions @p5py and @OpenHorizon DWG
- Contributed to CI/CD, automation testing workflows, custom GitHub Actions and software development using python

SKILLS

Programming Languages:	Python, C++, Javascript
Libraries/Frameworks:	React.js, STL, Bootstrap, Google AR-Core, Vuforia
Tools / Platforms:	Git & GitHub, Docker, GitHub Actions, Linux, Visual Studio Code, Unity
Databases:	SQL, SQLite, Firebase

PROJECTS / OPEN-SOURCE

erDB | Link   *Javascript, React.js, SQL, Rete.js, Docker*
This project abstracts out the process of converting ER diagrams to Database schemas manually. With a single click, the user can set up any database with the same schema as specified in the ER diagram. The user can specify the ER diagram through the ER diagram editor.

p5py | Link   *Python, xfvb, venv, GitHub actions, CI-CD concepts*
Currently maintainer of p5py. Added a CI flow to run visual tests on GitHub Actions on each new PR. Developed missing APIs in accordance with Processing

FashionKart 3D-Try-On | Link   *Javascript, three.js, blender, HTML, CSS*
Try-on lets a user virtually test out different clothing trends on different manequins. It helps fashion analysts and designers to test new styles effectively

MLOps | Link   *Docker, TensorFlow, python, Jenkins, Bash scripting, Linux*
Project to set up a pipeline to build & deploy ML models using Devops. Demonstrates the use of Jenkins pipelines to automate builds and deployments

AutoType | Link   *Python, tkinter*
Autotype on websites which have copypaste disabled. Currenly being developed as an Opensource project

MissilesGo | Link   *Unity, Google Playstore APIs*
A hypercasual mobile game with 10k+ downloads on playstore

HONORS & ACHIEVEMENTS

- Rating of Knight @Leetcode and 500+ problems solved @LeetCode
- 2234 World Rank at Google Hashcode
- 3rd position at HackRx @ BajajFinservMarkets
- Global Finalists @ NASA Space Apps 2020
- 4th position @ Virtual Hacks by HiRide
- Qualified 2 rounds at Flipkart GRID 2.0
- Best rank of 322/18k in LeetCode biweekly contest