DAKSH PALERIA

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EDUCATION

Vellore Institute of Technology (VIT)   Vellore, Tamil Nadu
B.E. Computer Science and Engineering   *July 2019 – Expected July. 2023*

EXPERIENCE

Google Summer of Code 2021 – CDLI   Remote
Student Software Developer   *May 2021 – Present*
- ○ Worked on an project about preparing a dashboard that can show an admin the visual assets of the digital library. This will help the researchers, professors in getting more control over the visual assets.
- ○ For adding, editing, deleting each artifact images using the artifact archival images to serve as a source of better quality images. Developed the whole dashboard from scratch right from design, front-end, database.

Institute of Engineering And Technology (IET-VIT)   Vellore, TN
Core Committee Member   *June 2020 - Present*
- ○ Bring to the table win-win survival strategies to ensure proactive domination.
- ○ Attend committee meetings, carry out agreed actions set by the committee.

Team Fourth Dimension (TFD)   Vellore, TN
Technical Team Member   *June 2020 - Present*
- ○ Brainstormed ideas with the team, planned and developed them. Participate in hackathons, coding challenges.
- ○ Developed projects for the team, deployed them, and I was also responsible to mentor juniors joining in team.

Cuneiform Digital Library Initiative (CDLI)   Remote
Open Source Contributor   *February 2021 - Present*
- ○ The CDLI Framework is primarily used by scholars and students, but with growing numbers of informal learners.
- ○ Worked on enhancing the current framework of CDLI by working on its backend to enhance the SQL Queries, improve its indexing and increase the overall search result time duration by 5%.

PROJECTS & ACHIEVEMENTS

Digital Library Management: GSoC '21 [Cake PHP, Docker, Maria DB, Python]   *July 2021*
- ○ Preparing the dashboard for admins, super-admins to manage images. Adding, editing, deleting about the artifact images and maintain the public visibility of images.
- ○ Running the python script on daily basis to update the database.

IET-VIT Mobile Application [Flutter, Firebase]   *February 2020*
- ○ A flutter app developed to support iOS for the existing android app, to go live on app store.
- ○ Login with E-Mail, Google or GitHub, update members with tasks, set up meetings and task for all members.

Liveline: Top 5 in VIT Hack 2020 [Flutter, Firebase, Flask, TensorFlow]   *October 2020*
- ○ Predicting about the disease the user is suffering from, used ML Model as an backend.

The Patrollers App [Flutter, Firebase, Flask, CNN]   *March 2020*
- ○ It is a system that we have come up with to suit the new requirements for a safe social gathering.
- ○ Implemented machine learning models using flask and connecting them with frontend to make sure that social distancing is being followed.

RELEVANT SKILLS

Languages:	Python | C++| Javascript | Java | SQL | HTML/CSS | PHP | Dart
Lib/Frameworks:	Flutter | Flask | jQuery
Platforms:	Linux | Web | Windows | Heroku
Tools:	Git on GitHub/GitLab | MySQL | Firebase | Docker | Cloud Databases

VOLUNTEER EXPERIENCE

Coordinator HackOff v3.0	A 36 hour long Hackathon conducted by IET-VIT and MLH with over 3000+ participants.
Mentor at TFD	Mentor juniors at TFD for app dev domain, open source.