

DAKSH PALERIA

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EDUCATION

Vellore Institute of Technology (VIT)

B.E. Computer Science and Engineering

Vellore, Tamil Nadu

July 2019 – Expected July. 2023

EXPERIENCE

Google Summer of Code 2021 – CDLI

Remote

Student Software Developer

May 2021 – Sept 2021

- 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.
- Wrote a whole script in Python, works with CRON Jobs to update on daily basis to update Database. Provided Docker support for script and used CakePHP, MariaDB for frontend and backend. Worked on optimising the SQL Queries as well.

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.