

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 – 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.