



School of Computer Science and Engineering (SCOPE)
B.Tech. CSE/CPS/AL AND ML PAT CATEGORY

PAT INTERNSHIP ALREADY STARTED – MEETNG WITH THE VIT GUIDE
ONCE IN TWO WEEKS AND UPDATING THE PAT INTERNSHIP WORK

Program: B.Tech. CSE

Batch: 2019-2023

Course Code: CSE1904

Register No.: 19BCE1027

Name of the Student: Aryaman Mishra

Mobile No.6390159999

PAT INTERNSHIP Company Name:AMD (Advanced Micro Devices)

Internship start date :8th August 2022

Internship end date (Approximate):20th May 2023

Technology Working on and Work in Progress:

- HIP Architecture
- ROCm Stack for High Computing Operations and Non-Graphical Functions
- HIPIFY-CLANG
- HIPIFY-PERL
- Work in Progress: Test-hipify CLI in Linux Environment

**Dec 5 to Dec 9
2022
Week 1 Report**

While processing sample named System Wide Atomics,the executable rendered all user permissions on device as read-only.Ticket was lodged to rectify and new docker image was pulled to continue work on testhipify to run other samples by Python.

**Dec 12 to Dec
16 2022
Week 2 Report**

Recompilation of all samples was performed one-by-one specifically. Installation of CUDA to support AMD Architecture was performed.

**Dec 26 to Dec
30 2022**

Patch encodings were giving out patch rejection files so provisions were made to apply all patches on samples correctly.CUDA-kit dependency issue was resolved.Non-supported HIPIFY functions were debugged and deprecated functions of RocXT and ROCtracer were updated.

**Meeting with
guide**

Regular / Irregular

Aryaman
10/1/23

Signature of the Student with date

Name & Signature of the VIT Guide with date