

## EXPERIENCE

---

<b>Co-Op Intern</b>	<b>Advanced Micro Devices(AMD), Hyderabad</b>	<i>July,2023 – May,2024</i>
<ul style="list-style-type: none"><li>Working as a Windows kernel mode display driver developer (KMD)</li><li>Designed and Implemented File APIs for Windows 2024 State Separation.</li><li>Fixed 36 Coverity static analysis issues, Contribute to 7 JIRA defects.</li><li>Supported for validation and understood the code changes from kmd side for enabling SLS on APU.</li><li>Gained Experience in WDDM concepts and display drivers.</li></ul>		

## EDUCATION

---





<b>M. Tech Integrated Software Eng</b>	<b>Vellore Institute of Technology (VIT), Vellore</b>	<i>July, 2019 – May, 2024</i>
<ul style="list-style-type: none"><li>GPA: 8.97/10</li></ul>		
<b>Intermediate(MPC)</b>	<b>Narayana Junior College, Nellore</b>	<i>June, 2017 – May, 2019</i>
<ul style="list-style-type: none"><li>GPA: 9.94/10</li></ul>		

## TECHNICAL SKILLS


---

**Languages:** C, C++, Python, HTML, CSS, JavaScript, SQL, Java.  
**Frameworks:** Flask, Hadoop, MapReduce, WDDM ( Graphics display driver architecture).  
**Developer Tools:** WinDbg, Visual Studio Code, Visual Studio, Perforce, GIT, Fork, JIRA, Agent Ransack, Power BI, NetBeans.  
**Libraries:** OpenCV, pandas, NumPy, TensorFlow.

## ACADEMIC PROJECTS

- 
- **Emotion Based Music Recommendation System - **
    - **Language/Technology:** Python, Jupyter Notebook, OpenCV, Flask.
    - Proposed a new approach for song recommendation, where the mood of a person is determined from his picture and based on this song recommendations are made that best suit the mood predicted( Happy and Sad).
  - **JAVA-Based Banking Management System - **
    - **Language/Technology:** Java
    - Developed a simple Banking system using JAVA-SWING and MySQL database. Performs basic functionalities like New Account Registration, Login, transfer, balance, and PIN change.
  - **PYTHON Based Malware detection and classification system. - **
    - **Language/Technology:** Python, Jupyter Notebook.
    - Presented a Machine Learning approach for classifying a file as Malicious or Legitimate, testing and comparison of various machine learning methods for Malware detection. Used two different systems. One for analyzing only the dataset and another for analyzing the dataset as well as classifying whether the given input file is malicious or legitimate.
  - **YouTube Data analysis using Hadoop.**
    - **Language/Technology:** Hadoop, MapReduce, Apache PIG.
    - Analyzed different information like Top Categories and more from the YouTube dataset using the MapReduce framework provided by HADOOP.
  - **Breast Cancer Detection Using ANN and ML. - **
    - **Language/Technology:** Python, Jupyter Notebook.
    - Used Breast Cancer Wisconsin (Original) dataset from UCI machine learning repository and applied Feed forward ANN and machine learning algorithms like Random Forest, SVM, Linear SVC, nuSVC and finally compute which has higher accuracy and best for detection of breast cancer.

## PERSONAL PROJECTS

- 
- **Personal Portfolio Website - **
    - Designed and developed a responsive website showcasing my professional experience, skills, projects and certifications.
    - Used HTML, CSS, and JavaScript to create a user-friendly and visually appealing interface.

## ACHIEVEMENTS

- 
- State Level Best Science Project (Automatic Street Lights) INSPIRE Awards-MANAK
  - Hacker rank – Silver in Python and Cpp

## LANGUAGES

- 
- Telugu
  - Hindi
  - Tamil
  - English