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



EDUCATION

- International Institute of Information Technology, Hyderabad**
Bachelor of Technology and MS by Research - Computer Science July 2019 - Present
Courses: Data Structures and Algorithms, Operating Systems, Analysis Of Algorithms, Machine Data and Learning, Probability and Statistics, Linear Algebra, Database and Application, Data Systems, Distributed Systems, Design and Analysis of Software Systems, Mobile Robotics, Statistical Methods in AI, Principles of Information Security, Cognitive Neuroscience
- CFA Institute, USA**
CFA Level 1 - Candidate February 2024
Investment Foundations Certified February 2022

EXPERIENCE

- Oracle India Pvt. Ltd.** 
Application Development (SWE) Intern May 2023 - Jul 2023
 - ODA ChatBot:** Developed and implemented a **Machine Learning based ChatBot** for **Oracle Digital Assistant** resulting in a significant reduction in customer support response time for all stakeholders at Oracle globally.
 - Cross-Channel Deployment:** Assisted in the deployment of the ChatBot, a large scale software application, across multiple platforms such as **Slack** and **web-SDK** to help users with queries related to navigation across Oracle User web pages.
 - Skills:** NLP, Named-Entity Recognition (NER), Python, Java, NodeJS
- Qualcomm India Pvt. Ltd.** 
Engineering Intern Feb 2023 - May 2023
 - DSP Enhancement:** Designed and implemented interrupt handling mechanisms within the DSP simulator by utilizing **Object-oriented programming (OOP) concepts**, allowing for seamless integration of interrupt-driven processes.
 - Troubleshooting:** Collaborated with cross-functional teams to troubleshoot and resolve issues related to interrupt handling within the DSP simulator, resulting in a significant improvement in overall system stability.
Engineering Intern May 2022 - Jul 2022
 - Performance Optimisation:** Implemented advanced algorithms using data **Pre-Fetch** and **Pre-Processing** to optimize the performance of the *Q6 Modem Microprocessor*, resulting in a significant reduction in CPU processing time.
 - Skills:** C++, Python, PyETM, Architecture Simulator (Archsim), Data Interpretation, OOPs
- Indian School of Business** 
Data Science Intern Oct 2021 - May 2023
 - Data Analytics:** Working with **Prof. Siddharth Sharma**. Assisting in **Image Processing, Data Modeling** and **Data Analytics** projects involving large data handling using Python scripting and Selenium.
 - DSA Implementation:** Created and implemented innovative Data Structures to effectively store and organize large volumes of information on **Google Cloud Platform (GCP)**, resulting in a streamlined workflow and increased efficiency.
- Summer of Bitcoin** 
Student Developer Jun 2021 - Sept 2021
 - Open Source work in Bitcoin Core:** Amongst the top 50 students selected from over 10,000 applicants to work on the **Bitcoin Core**  repository with top contributors from around the world on areas such as Security, roles of ISPs, Decentralisation of Currency on Centralised Internet. The program is organised by **Chaincode Residency** .
 - GUI**  : Implemented various User Interface (UI/UX) features for **Bitcoin GUI Repository**. **Skills:** C++, Qt Framework
- International Institute of Information Technology** 
Undergraduate Research Student May 2021 - Present
 - Data Sciences & Analytics Centre (DSAC)**  : **Who-is-Who:** Working with **Prof. Kamal Karlapalem** in developing an online directory "Who-is-Who" that helps Consolidate Distinct Web Profiles sharing Identical Name by leveraging state-of-the-art **Natural Language Processing** pipelines as well as **Generative Pre-trained Transformers (GPT)** for increased accuracy and efficiency of the platform. It is a secure method to verify and monitor profiles associated with a given name, mitigating risks of identity theft and online fraud. Our work has been submitted to **The ACM Web Conference 2024 (ACM WWW '24)**  for consideration. **Skills:** Data Structures, Prompt Engineering, Named Entity Recognition (NER), NLP, Python, Selenium.
 - Cognitive Science Lab**  : **Impact of Winner's Curse on Indian Markets:** Conducted in-depth analysis of over **200+ Mergers and Acquisitions** Deals in the Indian Financial and Stock Markets, in collaboration with **Dr. Kavita Vemuri** and **Prof. Viswanath Pingali (IIM-A)**, to identify the prevalence of Winner's Curse and its impact on company decision-makers. Utilized **Data Regression Models** and **Stock Prediction Models** such as **LSTM** and **fbProphet** for a comprehensive analysis. **Skills:** Data Scraping, Data Analysis and Visualization, Large Data Handling, Financial Markets Understanding, Python, Selenium.
- International Institute of Information Technology** 
Teaching Assistant
 - Data Systems** Jul 2022 - Dec 2022
 - Data Structures and Algorithms** Jan 2023 - Jun 2023

PROJECTS

- Data Systems**  : Implemented a Data Base Management System in **C++**, which accepts queries in relational algebra using **B+ Tree Indexing** format to optimise **memory access efficiency**. Functionality to efficiently transpose matrices of size greater than the size of main memory along with optimized compression techniques for sparse matrices using customized page architecture
- Linux C-Shell**  : A fully functional **Bash-like command interpreter Linux shell** built in **C**, that supports functionalities such as redirection, piping, environment variables, background and fore-ground process execution and all major commands in a normal shell.
- Algo Monopoly**  : Designed and implemented a multiplayer monopoly game in **JavaScript** and **Python** that helps students learn new algorithms in an interactive way by solving algorithm specific questions on an online judge platform.
- Airport Management System**  : An interactive **Database Management System** implemented using **MySQL** to help manage an airport. Functionalities and operations on the database are implemented using **Python** and **PyMySQL**.

SKILLS SUMMARY

- Languages:** C, C++, Python, PHP, Java, JavaScript, SQL, HTML, CSS, Bash, Assembly x86
- Frameworks:** MongoDB, ExpressJS, ReactJS, NodeJS, Django, Flask, Figma, Flutter, PyTorch, Numpy
- Tools:** GIT, MySQL, SQLite, Vim, VSCode, Object-Oriented Programming (OOP), Selenium, PostgreSQL, Docker, GPT
- Platforms:** Linux, MacOS, Windows, Web, Arduino, Amazon Web Services (AWS), Google Cloud Platforms (GCP)