AKASH KARUTURI

Dallas, Texas

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EDUCATION

University Of Texas at Dallas   **August 2021 – May 2023(Expected)**
Masters in Computer Science - **GPA - 3.612**   *Dallas, U.S.A*

Vellore Institute of Technology   **June 2017 – May 2021**
Bachelors - Electronics and Communication Engineering - **83.3%**   *Vellore, INDIA*

TECHNICAL SKILLS

Languages: Python, R, SQL, Java, Verilog HDL, 8051 Programming, C
Technologies and Frameworks: Django, HTML, CSS, NLTK, SpaCy
Tools: GIT, SQLite, MySQL, Jet Brains IDE's, Visual Studio, MATLAB
Operating Sytems: Windows, Linux, Ubuntu, Raspbian

COURSEWORK

Computer Science: Data Structures and Algorithms, Data-Base Design, Big Data Management and Analytics, Object-Oriented Analysis and Design, Operating Systems Concepts, Computer Communication

Mathematics: Statistical Methods in Data Science, Discrete Mathematics, Probability and Random Processes, Number Theory, Applied Linear Algebra

EXPERIENCE

Computer Science Grader(Part-Time OnCampus)   **September 2021 – Present**
Grader   *Dallas, U.S.A*

- Worked as a Grader for **Digital Logic and Computer Design**
- Interacting with the students and helping with the concepts, project submissions and exams and conducting office hours for personal guidance and resolving students' queries

BHEL   **June 2019 – July 2019**
Project Management Intern   *Hyderabad, country*

- Worked on **CNC and PNC machines**
- Explored how to work on HTML, CSS, and JavaScript
- Enhanced and Updated the website pages up to date regularly

PROJECTS

CyberMiner ⧉ | *Flask, ReactJS, MongoDB*   **February 2022 - April 2022**

- Built and deployed a google-like web search engine
- Implemented Auto-complete, Binary Operations, Search Operations and CRUD Operations
- Demo

Contact List ⧉ | *Python, SQL, Tkinter*   **September 2021 - October 2021**

- Developed an application where user can create own contact-list.
- Enabled a feature where user can add variable numbers, addresses, dates to a contact
- User Guide

Emergency Medical Services | *8051 Assembly Language, Arduino, Python, Tkinter*   **January 2021 - May 2021**

- Developed a Prototype of Device, where a person can check body parameters like **heart-beat, B.P, SPO2 and body-temperature**
- Integrated the device to cloud with nearby hospitals **in range 5-miles**
- Nearby hospitals receives an alert in case of any causality with **an accuracy of 70%**

Prototype Tablet Dispenser | *8051 Assembly Language, Arduino*   **June 2019 - December 2019**

- Developed a prototype vending machine for the people in remote places who doesn't have medical knowledge
- Dispenses tablets with **an accuracy of 85%**

ACHIEVEMENTS

- Problem Solving - Hacker Rank(Basic & Intermediate))   • Five Star Badge in Python Hacker Rank