Geethanjali Kakkera

Address: 99 Florence st apt 07,malden, MA 02148 **|** Phone: 7816288309 **|** Email: geeta.chowdary145@gmail.com

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Career Objective

Seeking a challenging career with a progressive organization that provides an opportunity to capitalize my technical skills & abilities.

Technical Skills

- **OPERATING SYSTEMS:** Android, Windows XP, Linux, MacOS
- **LANGUAGES**: C programming, C ++, Embedded C, python, JavaScript**.**
- **SIMULATOR**: MATLAB, LabVIEW, Model-Sim, Multisim
- **WEB DESIGNING:** WordPress; HTML, CSS, PHP.
- **HARDWARE:** Flask 8085µP & 8051µC, DSP Chip TMS 320C54x
- **SOFTWEAR TOOLS:** Xilinx ISE, Keil, Photoshop.

Education

- **Master of Science, Computer Science, GPA 3.94/4.0 (January 2021- Till Date)**
  Bridgewater State University, Bridgewater, MA
- **Master of Technology, VLSI & Embedded Systems (Aug 2013-April 2015)**
  Amrithsai Institute of science and Technology (ASIST), India.
- **Bachelor of Technology, Electronics and Communications. (Aug 2009-May 2013)**
  NRI Institute of Technology (NRIIT), India.

Relevant courses:

Analysis of Algorithms, 3D game design, Data Mining , cryptography, compilers, algorithmic art, web development, Machine learning, History of computing.
Undergraduate Studies: Object Oriented Programming, Web Technologies, Database Management Systems, Mathematical Methods, Probability and Statistics,
Mathematical Foundations of Computer Science

Academic Projects

- **Break failure indicator:**
  Design the break failure indicator circuit which continuously monitors the condition of brake and gives an audio and visual indication
- **Spy robot:**
  Fabrication of PCB and design circuit diagram of Military robot which focus on tracing and observing enemy activities
- **Traffic sign recognition robot:** Design and developed the Robot for traffic sign inventory
- **CLASSIFYING CHURNING PROBABILITY OF TELECOM USERS BASED ON VARIOUS FACTORS (Data mining):**
  Using these models can specify whether an user would continue with the telecom company as it is or would change into another telecom company user**.**
- **3d game design:** Design several game designs using unity3D.

Professional experience

- **Graduate Assistant:(Computer science Department)   Sep 2021-Till Date**
  Department of Computer science, Bridgewater State University, MA, United states.
  Responsibilities:
  1. Participated in Virtual open Lab week at Bridgewater state university
  2. Created a Template using Microsoft Sway for Open lab week.
  3. Created website for Binary to String conversion.
  4. Documenting modifications and enhancements made to the applications and systems as required by the project.

5. Built Web sites for the departmental subcommittees using WordPress.
6. Prepared the Document for installation for VM and some software in that.
7. I did server installation ,creating and deleting user and Set up Disk Quota on ubuntu server for Undergraduate Students.
8. Created the Linux Virtual box image that contains list of software's. So students can easily use all the software's with the help of this image.
9. Built the **PYPORTAL** stand .

Teaching Assistant: **August 2014-October 2015**

Amrita Sai Institute of Science and Technology (Vijayawada, India)
Responsibilities:

1. Evaluated student performance, provided feedback and assigned Grades.
2. Met students on one-on-one basis to offer personalized help.
3. Helped users in solving problems related to Hardware and software.
4. Conducted quizzes for Electronics devices and circuits.
5. Instructed for 40 engineering students in electronic devices and circuits.

Publications:

Geethanjali Kakkera, Suresh Bojja, Traffic Sign Recognition Robot Using MATLAB, IJMETMR, 2, 2015.

References:

https://sway.office.com/XrcLO60peqO9g0FQ?ref=Link