KISHOREKARTHICK GS

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OBJECTIVE

Seeking a Data Scientist position where I can efficiently contribute knowledge, skills and abilities for growth of the organization and build professional career with dedication and hard work.

EDUCATION

UNIVERSITY OF VIRGINIA, Charlottesville, VA   *August 2021 - December 2022*
Masters in Computer Engineering
• GPA: 3.67/4.00

PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH, Coimbatore   *August 2017 - July 2021*
Bachelors in Electronics and Communication engineering
• GPA:7.89/10.00

EXPERIENCE

RESEARCH INTERN, **Indian institute of technology, Madras**   *February 2021 - April 2021*
• Implemented RF systems of 5G architecture with Field Programmable Gate Array by understanding the RF subsystems
• Collaborated with various people to improve knowledge in areas such as wireless communication, antenna design and had hands on experience in FPGA, vivado

PROJECTS

Cheetah Load balancer   *September 2021 - Present*
• Implemented CHEETAH, a load balancer supports uniform load balancing and PCC, while having the characteristics of scalability, memory efficiency, resilience towards clogging attacks, and fast packet processing.

Design of 5G antenna using artificial magnetic conductor   *January 2021*
• Designed a 5G antenna with AMC as ground plane to obtain the enhancement in antenna performance such as increased radiating efficiency, increased bandwidth, higher antenna gain and decreased return loss for the purpose of extending the applications of the antenna.
• The antenna is designed on FR-4 substrate and it has a resonant frequency band of 3.2 GHz to 3.6 GHz.

Analysis of power consumption in Wireless sensor networks   *August 2020*
• Power consumption is always one of the most important issues when designing or using nodes in wireless sensor networks.
• A wireless sensor network is established, radio traffic between nodes is analyzed and power consumption is estimated in different protocols such as CoAP and 6LoWPAN.

Water leakage detection system   *August 2019*
• Water shortage has increased in the recent years due to various factors, among which undetected water leaks poses a serious threat both environmentally and economically.
• We aim at preventing wastage of water in residential areas by identifying leaks using effective logistic regression algorithm.
• The residents are provided with a web link wherein they are notified of these leaks.

ACHIEVEMENTS

• Finalist in "Industrial Academia Conclave" at PSG institute of technology and applied research for "Energy Meter".
• Semi-finalist in Techgium conducted by Larsen and Toubro for presenting a paper called " Wireless Charger inside Vehicles".
• Semi-finalist in "Indian Innovation Challenge Design Contest" organized by Texas instruments.

SKILLS

• Programming Languages : Python , C, C++,Java, RTOS,R, HTML, CSS, Javascript
• Knowledge about Matlab, Data structures, Algorithms
• Familiarity with Network protocols
• Knowledge about Database systems
• Familiarity with Cloud computing
• Familiar with Statistics and probability
• Knowledge about Operating systems (Windows, Linux, Mac)
• Database: MySQL
• Productive tools: Word, Powerpoint, Excel

- Strong interpersonal skills

INTERESTS

- Machine learning,Operating Systems, Data science

ADDITIONAL DATA

- Finished a course called "The Complete SQL Bootcamp 2021" in Udemy.
- Completed a workshop on "Data Analytics using python" at PSG college of technology.
- Finished a course called "Introduction to Cybersecurity Tools & Cyber Attacks" in Coursera.
- Finished a course called "Cybersecurity Roles, Processes & Operating System Security" in Coursera.
- Presented a paper called "Finding the right cloud configuration for analytic clusters" at University of Virginia.
- Completed a workshop on Machine Learning at Madras institute of technology.
- Presented a research paper on "Autonomous Cars" at PSG institute of technology and applied research.