NAGASHEKAR ANANDA

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LinkedIn - Nagashekar Ananda | GitHub - Nagashekar Ananda |Portfolio Website - Nagashekar Portfolio

Graduate student at The University of Texas at Arlington with an interest in Python, Web development, Java, Android App development & Machine learning.
Actively looking for Software Development Full Time opportunities starting from May 2021.

EDUCATION

- **Master of Science in Computer Science** **G**raduating : May 2021
  University of Texas at Arlington, Arlington, TX. **G**PA - 3.8/4
  Relavant Coursework - Advance Database Systems(Cloud Computing - Apache Hadoop, Spark, Hive, Pig), Distributed Systems, Web Data Management(Laravel-Model-View-Controller), Advance Software Engineering - Agile Methodologies, Software Testing, Design and Analysis of Algorithm, Software Design Patterns, Software Engineering, Computer Network Organization

- **Bachelor of Engineering in Electronics and Communication** **M**ay 2019
  Visvesvaraya Technological University, Belagavi, KA, INDIA **O**verall GPA: 8.3/10
  Relevant Coursework - Operating systems, Python Application programming, Object oriented programming with C++, Programming in C and Data Structures, Wireless & Mobile Communication

TECHNICAL SKILLS

Languages	Python, C, Java, MySQL, HTML5/CSS3, JavaScript, PHP, Laravel (MVC)
Big Data Frameworks	Apache Hadoop, Spark, Pig, Hive
Application Software	Android Studio, GIT, Arduino, Xilinx, Matlab
ML Toolkits	NumPy, Pandas, Keras, SciPy, Scikit-learn
Platforms	Google-Firebase, Firestore, Mathworks - Thinkspeak, GitHub

PROFESSIONAL EXPERIENCE

- **Graduate Teaching Assistant -** University of Texas at Arlington **P**resent - Jan 2021
  Assisting Dr.Sajib Datta with the course CSE - 4344 - Computer Network Organization.
  Supervising projects, assignments, tests, and grading for the students enrolled in the course.
  Working on a Blockchain & Crypto-currency project with Android & Web extensions.

- **Student Intern -** Tequed Labs Pvt. Ltd **J**an-Jul 2019
  Completed an Internship on Full Stack Web Development.
  Designed a chat application using Node.js and Socket.io module which works on any platform or browser.

PROJECTS

- **Smart Location-based Proxy prevention Attendance Android Application** **A**ug-Dec 2020
  (Java, XML, Google Cloud, FireBase)
  Android App for students to mark their attendance by scanning QR code generated by the professor's thereby reducing the need of additional bio-metric scanner devices.Additionally restricted geographical location for marking the attendance, hence preventing proxies.

- **Python Based Multi-threaded Real Time GUI Chat Application** **J**an-Apr 2020
  (Python, Socket.io, Multi-threading, Tkinter)
  Implemented a Client-Server Based Multi-threaded Real-Time GUI Chat system using Sockets. Synchronous and Asynchronous Server for Transient-Real Time and Persistent-On Demand messaging between clients with Unicast, Multicast, and Broadcast Messaging options.

- **Detection of Malaria using Deep Learning** **A**ug-Dec 2019
  (Keras, ResNet, Python)
  Implemented a model that detects the malarial disease using the blood smears of the samples quickly using Deep Learning. the models are pre-trained and then this model is used to detect the presence of malaria in the test data, with a better accuracy of around 97% and speed.

- **IoT based Intelligent Public Transport system for Smart Cities** **J**an-Jul 2019
  (HTML, CSS, PHP, JavaSscript, Image processing - SSD Mobile Net, C,Thingspeak, MIT App inventor)
  Implemented a live people counting modules for bus stations using SSD MobileNet with a decision making algorithm for timely scheduled or dynamic departure of buses using Web and Android application.

EXTRA CURRICULAR ACTIVITIES

- Chair for techno-cultural fest ECHORA 2019, SJBIT.

- Rajyapuraskar awardee - Bharat Scout & Guides - Governor's Award.