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), 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, Software Engineering Management Maintenance and Quality Assurance.

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

TECHNICAL SKILLS

Languages	Python, C, Java, SQL, HTML/CSS, JavaScript, ReactJS, 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 & Mentoring projects, assignments, tests, and grading for the 50 students enrolled in the course.
  Developing a Blockchain & Crypto-currency based project with Android & Web applications.

- **Student Intern -** Tequed Labs Pvt. Ltd   **J**an-Jul 2019
  Completed an Internship on Full Stack Web Development & Contributed to an Internal app development.
  Developed a platform/browser independent chat application using Node.js and Socket.io module.

PROJECTS

- **Smart Location-based Proxy prevention Attendance Android Application**   **A**ug-Dec 2020
  (Java, XML, Google FireBase, Google Fused Location Provider API)
  Designed and Developed an Android App for student attendance, marked by scanning QR code generated by professors, eliminating the need for other bio-metric scanning devices. Additionally modernized & restricted geographical location for marking attendance, consequently preventing proxies.

- **Python Based Multi-threaded Real Time GUI Chat Application**   **J**an-Apr 2020
  (Python, Socket.io, Multi-threading, Tkinter)
  Improvised and Implemented a Client-Server Based Multi-threaded Real-Time GUI Chat system, using Sockets. Incorporated 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 to detect malarial diseases with blood smears of samples, using Deep Learning. The model is pre-trained, and used to detect the presence of malaria in the test data, with an improved accuracy of around 97% and quick results.

- **IoT based Intelligent Public Transport system for Smart Cities**   **J**an-Jul 2019
  (HTML, CSS, PHP, JavaScript, Image processing - SSD Mobile Net, C, Thingspeak, MIT App inventor)
  Headed a Team of 4 in implementing live people counting modules for bus stations, with a decision making algorithm for timely scheduled or dynamic departure of buses with Web and Android application accessibility.

EXTRA CURRICULAR ACTIVITIES

- Postman Inc, Student Leader for the University of Texas at Arlington.

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