

Mohammed Mahaboob Khan

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Summary

An energetic and passionate Computer Science Engineer with interests based in Software Engineering. A fast learner looking forward to work in a challenging environment while refining technical and non-technical skills. Actively applying for full-time opportunities.

Education

University at Buffalo, State University of New York August 2019 – February 2021
Master of Science in Computer Science & Engineering **GPA: 3.52/4**

Relevant coursework: Analysis and Design of Algorithms, Machine Learning, Information Retrieval, Object Oriented Analysis and Design, Natural Language Processing, Distributed Systems, Pattern Recognition, Blockchain

Sir M. Visvesvaraya Institute of Technology, Bengaluru, India August 2015 – May 2019
Bachelor of Engineering in Computer Science & Engineering. **GPA: 8.21/10**

Relevant coursework: Operating Systems, Software Engineering, Web Design, Data Structures, Compiler Design, DBMS, Algorithm Design and Analysis, Intro to Artificial Intelligence

Professional Experience

Software Engineering Intern (Summer) May 2020 - August 2020
WorkSpan, Foster City, California, United States

- Designed and developed a **full-stack** feature with **Angular** in the frontend and **python** in the backend to create **API endpoints**, that helps developers to port data over different instances.
- Contributed in the development of **Admin Support tools** used by Network Success and Professional Services teams.
- Implemented a **fault-injection** system as a part of the Annual Company **Hackathon** to inject faults and validate the application behavior in presence of these faults.
- Assisted in **scripting, tooling** and **bug-hunts** to aid software development.

Technologies: Python, REST API, Angular, TypeScript, HTML, CSS

Engineering Intern July 2018 - August 2018
Siemens Gamesa Renewable Energy Pvt. Ltd., Bangalore, India

- Developed a **web application** using Google Maps API for the employees to avail transport facilities at the company.
- Built a **chatbot** for my team website at the company using Python3 and Flask.

Technologies: Python, Flask, HTML, CSS, JavaScript, jQuery

Professional Qualifications

Programming	: Python, Java, C, C++, Android, HTML, CSS, Angular, TypeScript, PHP, JavaScript
Database	: MYSQL, SQLite
Data Science	: NumPy, Pandas, Scikit-Learn, Keras, TensorFlow, SciPy
Others	: Google App Engine, Git, Bitbucket, REST APIs, Jenkins, Jira, Linux, AWS, Apache

Technical Projects

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| Chord DHT | : Successfully built an android application in which I designed and implemented a Distributed Hash Table based on Chord for multiple android devices sending messages among themselves. |
| Boolean Search Engine | : Designed and built an inverted index to map terms to documents and used this inverted index to build a Boolean Search Engine (NLP) in Python3 that returns Boolean query results. |
| Image Classifier | : Successfully implemented a Neural Network and a Convolutional Neural Network (ML) using Python3 to recognize an image and classify it as one of the given number of classes. |
| Cancer Detection | : Designed and developed a classifier in Python3 using logistic regression (ML) to classify suspected breast cells as benign or malignant. |
| Tweet Processing | : Built a system to retrieve tweets in multiple languages from user timelines using the Twitter API and Python3 , and index them using Apache Solr . |
| Text Summarizer | : Designed and developed an automatic text summarizer (NLP) using Python3 that automatically generates the summary for any give input text document. |
| Tic-Tac-Toe | : Developed and published an android application using Android Studio that is an implementation of the Tic-Tac-Toe game. |
| Pharmacy DBMS | : Successfully built a web application prototype using HTML, CSS, PHP and JavaScript that makes use of a DBMS which interacts with end users and a database for a pharmacy. |
| Rememory | : An android application built using Android Studio that help the user maintain a list of items and their locations in a database , and also search for a particular item. |

Additional Activities

- Active member of the **Deep Learning Special Interests Group** – University at Buffalo where we participate in Kaggle challenges and conduct information sessions on implementing real world projects using Python, TensorFlow, Keras and other useful libraries.
- Key member of the **Event Management Team** for the 17th VTU Inter-Collegiate Youth Festival, Bangalore, India