

Chinmay D. Kulkarni

Athens, GA, 30605 | www.linkedin.com/in/chinmaykulkarni21 | chinmaykd21@gmail.com
| <https://github.com/Chinmaykd21/> | (706)- 308 - 8649

PROFESSIONAL EXPERIENCE

Software Engineer at Larsen & Toubro Infotech (LTI), India

Jul 2016 – Dec 2018

- Worked as a Software Engineer for Business Insurance client associated with LTI. The project involved providing real-time monitoring of batch programs, resolving batch program failures with its root cause analysis.
- Developed, maintained & updated the software solutions as per the customer requirements.
- Received client appreciation for creating an automation tool, which integrated Mainframe and MS Excel VBA & reduced the manual efforts by approx. 2-3 hours per week.
- Awarded with an "Employee of the month" award in January 2018 in the same project.

SKILLS

Languages: Python, Java, C++, HTML, CSS, SQL, shell scripting, COBOL, JCL, MS Excel VBA, React JS

Frameworks: Django, Bootstrap, Play2, Bulma CSS

Database Software: MySQL, PostgreSQL, Oracle

IDE/Tools: - IntelliJ, Git, VS Code, Microsoft Excel, Rally(CA agile central), Infogix(Data reporting), Jupyter, Spring JDBC

Operating Systems: Windows 10, Linux

EDUCATION

University of Georgia, Athens, GA, USA

Aug 2019 – Aug 2021

Master of Science in Computer Science

Relevant Coursework: Algorithms, Database Management Systems, Cloud Computing, Computer Networks, Machine Learning, Advanced Data Analytics, Advanced Special Topics in CS

GPA: 3.74/4.00

University of Mumbai

Jun 2012 – Aug 2016

Bachelor of Electronics Engineering

Certification: ARM university training program on "Embedded Systems Design & Programming"

CGPA – 7.17/10.0

PROJECTS

EdgeFaaS Bench(Master's Research Project, Dr. In Kee Kim)

Jun 2020 – Present

- Benchmarked edge devices using open source serverless framework to investigate performance heterogeneity of real world serverless and FaaS applications on various edge devices to make informed decision of device selection.
- Identified relevant micro/macro applications with system-specific and application-specific metrics evaluation techniques.
- Investigated compatible open source serverless frameworks on edge devices with different hardware specifications.
- Implemented selected applications to build/deploy/execute using OpenFaaS on Edge devices such as NVIDIA Jetson nano/ Raspberry Pi 4.

Compiler (Group Project)

Jan 2021 – Feb 2021

- Collaborated with 2 peers to design a simple compiler in C++.
- Designed lexical analyzer used for tokenization of input C++ program.
- Implemented syntax analysis stage for confirmation of rules and structure of formal grammar.
- Generated parse tree to represent the syntactic structure of the code and define procedure of operations.

DNS Forwarder & Traceroute applications, Computer Networks course (Solo Project)

Oct 2020 – Nov 2020

- Implemented above mentioned command line applications using low-level socket programming in Python.
- Provided user abstractions by using regular DNS and DNS-over-HTTPS techniques.
- Worked with low-level raw sockets in Linux for sending, receiving, and filtering real-time TCP/UDP packets on an Ubuntu server.

Food Ordering System (Group Project)

Oct 2019 – Nov 2019

- Collaborated with 3 peers to design and implement a web application for an online food ordering system.
- Contributed to the project with the design of the database schema by comparing schemas generated by BCNF, 3NF, UML techniques.
- Worked with JDBC API & MySQL to perform SQL queries & demonstrated data extraction knowledge.
- Implemented front end website using HTML, jQuery and Play2.