Ganeshprasad Biradar

github.com/biradarganesh25 | linkedin.com/in/biradarganesh25/ | 979-721-2892 | biradarganesh25@gmail.com

EDUCATION

Texas A&M University, College Station, TX   **August 2021**
Master of Computer Science   **GPA: 4/4**
- Relevant courses: Analysis of Algorithms, Distributed Systems, Parallel Computing, Software Engineering

R.V. College of Engineering, Bangalore   **August 2015 – May 2019**
Bachelor of Engineering in Computer Science   **GPA: 9.61/10**

SKILLS

- Programming Languages: C, C++, Go, SQL, Python, R
- Network Programming in C
- Parallel Computing: Concurrency, Multithreading and Synchronization using Pthreads, CUDA and OpenMP
- Cloud platforms: AWS, GCP and Azure
- Agile Methodologies
- ML: Scikit-Learn, Numpy, Pandas, PyTorch, Seaborn
- Tools: Docker, Git, Postman, Jupyter Notebooks, Spark, Rasa
- Databases: MongoDB, MySQL, Sqlite
  Open Source Contributions:
- CockroachDB: It is a distributed, strongly consistent SQL database written in Go. I have contributed to their SQL parsing layer
- Zulip: It is an open source chat and collaborative software. I have contributed to their user interface

WORK EXPERIENCE

NVIDIA, Santa Clara   *Cloud Platform Software Engineer Intern*   **June 2022 – Present**
- Helping implement a global rate limiting system for Unified Access Management service

Texas A&M University, College Station   *Graduate Research Assistant*   **January 2022 – May 2022**
- Leading a team of 2 to add conversational intelligence to VR characters in different VR applications

Citrix R&D, Bangalore   *Software Engineer 2*   **July 2019 – August 2021**
- Collaborated with 7 people across 3 countries to implement High Availability and Backend Autoscaling in Citrix's ADC for different cloud providers: AWS, Azure and GCP, which increased the adoption of the product by around 20%
- Proposed and led an initiative to create an unified API for communicating with different cloud providers that made development of new features of Citrix ADC 3 times faster on these clouds
- Played a key role in migrating the ADC codebase from FreeBSD 8.4 to 11.4

Citrix R&D, Bangalore   *Software Engineering Intern*   **January 2019 – June 2019**
- Developed a new framework to automate the deployment of complex topologies using Citrix ADC on different clouds like GCP, AWS, and Azure, which reduced the average testing time for new releases of the product by around 60%
- My team won 'Highest Revenue Impact' and 'Most Popular Choice' awards at Citrix's Techfair (2019) for this project

Samsung R&D, Bangalore   *Software Engineering Intern*   **June 2018 – August 2018**
- Co-led a team of 4 to to identify under-performing eNodeBs using unsupervised clustering algorithms in a highly overloaded LTE network, which entirely eliminated manual supervision to detect congested eNodeBs

PROJECTS

Parallel Gaussian Process Regression using CUDA
- Implemented a parallel version of different steps involved such as LU decomposition, matrix multiplication and achieved a peak speedup of over 200 for the decompose function

Apriori on Spark
- Implemented apriori algorithm as part of a data-flow processing system to detect relationships between itemsets