

Milan Chheta

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EDUCATION

Indiana University Bloomington, IN

Master of Science in Computer Science

Relevant Courses: Software Engineering, Applied Distributed Systems, SQL/NoSQL, Cloud Computing, Pervasive Computing

Aug 2019 – May 2021

CGPA: 3.75 / 4.0

University of Mumbai, India

Bachelor of Science in Electronics and Telecommunications

Relevant Courses: Structured Programming Approach, Object-Oriented Programming Methodology

Aug 2014 – May 2018

CGPA: 3.51 / 4.0

WORK EXPERIENCE

Wolfram, Champaign, IN

Cloud Developer Intern

June 2020 – Dec 2020

- Worked in a collaborative environment to maintain a cloud-deployed product and integrated new functionalities by creating React.js components, writing frontend unit tests, and performing debugging tasks
- Built command-line/shell/terminal applications and API endpoints, easing the process to generate changelog, triggering build tasks, and to monitor builds and server status

NetGains Technologies Pvt Ltd, India

Software Developer Intern

June 2018 – Sept 2018

- Successfully built an automated chatbot system, by using Google's Dialogflow API and integrated it with MySQL database, leading to reduced effort for handling customer queries
- Combined the system with a dashboard interface for users to customize the chatbot and alter its functionality

SKILLS

- **Languages:** Python, JavaScript, HTML/CSS, MySQL, MongoDB, Shell-Scripting
- **Frameworks/Technologies:** ReactJS, React-Native, Redux, NodeJS, Flask, Docker, Kubernetes, Istio, Travis CI
- **Cloud Platforms:** Google Cloud Platform, Jetstream Cloud

PROJECTS

Expense Tracker

Dec 2020

- An application to track personal expenses, implemented with containerized microservices
- Deployed the system on Google Cloud Run through a CI/CD pipeline set up with Google Cloud Build and GitHub

Sentence Length Distribution Analysis

Nov 2020

- Used Google Cloud Functions to create a serverless application and provide sentence length distribution analysis
- Reduced the computation cost of the application by designing and adding a caching system using Cloud Firestore

Easy Connect

Oct 2020 – Nov 2020

- A cross-platform mobile application for researchers to easily connect and communicate with each other
- Utilized research papers to provide recommendations based on computed cosine-similarity

Distributed MapReduce System

Sept 2020 – Oct 2020

- Designed, developed, and deployed a generalized MapReduce framework on Google Cloud with parallel computation functionality among the dynamically created virtual machines for mapper/reducer tasks
- Built a Memcached system for the MapReduce system, to implement a command-based consistent data storage on the network

Distributed Weather Forecasting System

Jan 2020 – May 2020

- Developed a weather forecasting system and deployed the system in a Kubernetes cluster using a CI/CD pipeline built with Travis CI and GitHub
- Implemented asynchronous communication between containerized microservices using Apache Kafka, and added Istio's Service mesh to improve security, load balancing, and information gathering of the deployed system

Volunteer Management System

Sept 2019 – Dec 2019

- A social network-based event management system, built by following the scrum agile methodology, helping volunteers to be aware of near-by events and helping the organizations to reach out to volunteers more effectively