Milan Chheta

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EDUCATION

Indiana University Bloomington, IN   *May 2021*
Master of Science in Computer Science
Cumulative GPA: 3.85 / 4.0
*Relevant Courses***:** Software Engineering, Applied Algorithms, Applied Distributed Systems, Elements of Artificial Intelligence, Advanced Operating Systems, SQL and NoSQL, Cloud Computing

University of Mumbai, India   *May 2018*
Bachelor of Science in Electronics and Telecommunications
Cumulative GPA: 3.51 / 4.0
*Relevant Courses***:** Structured Programming Approach, Object-Oriented Programming Methodology, Operating Systems

EXPERIENCE

Wolfram, Champaign, IN
Cloud Developer Intern   *June 2020 – Present*
- Working in a collaborative environment to develop, maintain and replicate the features of a desktop application into a cloud application.
- Building terminal applications and APIs applications to automate data fetching process.

Netgains Technologies Pvt Ltd., India
Software Developer Intern   *June 2018 – Sept 2018*
- Successfully developed an automated chatbot system, by using Google's Dialogflow API and integrating with MySQL database to handle various types of queries and reduced the effort to handle customer queries by 30%.
- Developed a Dashboard UI composed of multiple features allowing users to customize the chatbot and alter its functionality.

PROJECTS

Distributed MapReduce System on GCP   *Sept 2020 – Oct 2020*
- Designed, developed, and deployed a generalized MapReduce framework on Google Cloud by implementing parallel computation and dynamic creation of mappers and reducers, allowing to run parallel tasks on multiple Virtual Machines and thus reducing the execution time.
- Developed a Memcached system used as a data storage system by the MapReduce framework, and making it possible to implement a command-based consistent data storage on the network.

Distributed Weather Forecasting System   *Jan 2020 – May 2020*
- Designed and developed a distributed weather forecasting system by containerizing microservices and deploying it in a Kubernetes cluster.
- Implemented asynchronous communication between services by using Apache Kafka and built a CI/CD pipeline using Travis CI to automate the integration and deployment process.
- Successfully upgraded the system with Traffic management, mTLS security, Gateways, Canary deployments, and system observability by implementing Istio's service mesh, to improve the security, load balancing, and information gathering of the deployed system.

Volunteer Management System   *Sept 2019 – Dec 2019*
- Developed a social network-based event management system, by following the scrum agile methodology, allowing the volunteers to be aware of near-by events and helping the organizations to reach out to volunteers more effectively.

SKILLS

- **Programming Languages:** Python
- **Frontend Technologies:** React.js, JavaScript, HTML/CSS, jQuery
- **Backend Technologies:** Node.js, Flask
- **Database Technologies:** MySQL, MongoDB
- **DevOps Technologies:** Docker, Kubernetes, Istio, Travis CI
- **Cloud Technologies:** Google Cloud Platform, Jetstream Cloud