Karthik Gurram

(365) 355-7710

kgurram.tech
linkedin.com/kggurram

kggurram@gmail.com
github.com/kggurram

EDUCATION

Ryerson University B. Eng, Computer Engineering (Software Engineering Stream)   Apr 2024

Relevant Coursework: Data Structures & Algorithms, Distributed Systems, Machine Learning, Databases, Software System Design, Operating Systems, Computer Networks, Network Security, Computer Architecture

SKILLS

- **Languages:** Python, JavaScript, TypeScript, HTML, CSS, Golang, Java, SQL, C#, C, MATLAB, Assembly
- **Tools:** React, React Native, Next.js, Flask, Node.js, Django, Datadog, Unity, Express.js, OpenCV, JUnit, Git

EXPERIENCE

Kinaxis — Cloud Engineer Intern, Observability   Jan 2023 - Aug 2023

- Deployed Airflow cron job to update Salesforce server data through **PostgreSQL** queries and Vendor API
- Modernized existing SOAP API utilizing **REST** functionality to retrieve **Pandas** dataframe from callbacks
- Improved process reinforcement by developing **Python** script to correctly perform scheduled down-time synchronization operations across Salesforce and Datadog with **96 executions performed daily**
- Leveraged Google's Looker functionalities using **BigQuery** to migrate and improve Grafana reports

Andie — Software Developer Intern, Fullstack   Jan 2022 - Apr 2022

- Architected back-end APIs in **Python (Django)** to assist clients with tools to drive customer acquisition
- Developed front-end features for an accessible, responsive web and mobile app using **React** & **Expo**
- Implemented easy to use workflow and CRUD operations for restaurant & business inventory management
- Performed end-to-end software development including integration testing with an **Agile** team of 8 developers

PROJECTS

Autonomous Drone

- Collaborated with a team of 4 researching ML techniques & **OpenCV** to contrive a fully autonomous drone
- Evaluated various neural network architectures to perform line detection & autonomous navigation
- Developed a user interface to control and test drone operation & emergency landing

MedList

- Designed & implemented complete **Flask API** backend for end-to-end healthcare management system
- Ensured correct integration of all read/write requests & responses with Firebase real-time database
- Constructed event-driven asynchronous methods to efficiently communicate data to backend APIs

R2-D2

- Built a modular Discord bot hosted on **Heroku** using **Python, Discord API**, and various other libraries
- Utilized asynchronous programming methods to operate efficiently and develop audio/visual commands
- Developed features such as server moderation, trivia, text-to-speech, YouTube & Google Image searching

EXTRACURRICULAR

Ryerson Varsity Badminton — Athlete   Sep 2023 - Current

Ryerson Badminton Club — Co-Founder & Vice President   Nov 2019 - May 2021

- Supervised and managed day-to-day operations, competition regulations, and tournament organization
- Led junior members, developing their skills to assist in running, planning, & managing club events