SHANKRITH CHOKKALINGAM

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EDUCATION

SSN College of Engineering **India**
Bachelor of Engineering, Electronics & Communication Engineering *2018 - 2022*

- GPA: 8.7
- Coursework: C++, Computer Vision, Machine Learning, Linear Algebra, Statistics & Probability

WORK EXPERIENCE

Software Engineer **Singapore**
Hobnob.ai *June 2022 - Present*

- Worked with a distributed team of 6 **fullstack** engineers to rapidly develop a professional relationship platform aiming to breakdown silos in large companies.
- Worked with **AWS Lambda** to host backend business logic and setup **AWS SQS** to run scheduled background jobs.
- Improved email organization by implementing a threading system by constructing RAW Emails using MIME sent via **AWS SES**.
- Developed a system for constructing and sending ICS attachments even when calendar permissions were not granted, resulting in an increase in successful calendar invites and event planning.
- Created a user-friendly page for finding and joining video conference links, resulting in a 20% increase in participation in remote meetings.
- Developed a page for scheduling and finding available time slots, resulting in a decrease in scheduling conflicts.
- Developed **GraphQL** mutations/queries to store and update the meeting links, time slots, etc using **Hasura** and **Postgres**.
- Worked in the development of Intros that enables new joiners in a company to effectively schedule a meeting with their colleagues and break the silo.
- Implemented **OAuth** Flow (Google and Microsoft) for the application.

Systems Software Engineer Intern **Bangalore**
Mowito Robotic Systems PVT. Ltd. *May 2021 - August 2021*

- Developed a high performant autonomous navigation stack in **C++** and **ROS** for warehouse robots.
- Designed an algorithm to detect changes in the environment in order to indicate to the user, that the environment needs to be remapped
- Implemented a novel teleoperation feature that incorporated autonomous obstacle avoidance, resulting in a 70% increase in efficiency and safety during teleoperation.

PROJECTS

Biometric Cloud Voting System **Dept. of ECE, SSN**
Funded Research Project *January 2019 – July 2019*

- Constructed a biometric voting system that uses fingerprint for secure voting in **python** and **Firebase** for real time results under Dr. Bhuvana J
- Published a paper titled E-Biometric Voting Machine as a part of Futuristic Communication and Network Technologies in Lecture Notes in Electrical Engineering, Springer.
- Presented at Virtual International Conference for Futuristic Communication and Networking Technologies.

SKILLS & INTERESTS

Programming: Typescript, Golang, C++, Python, Javascript, Elm
Frameworks & Tools: React, Node, Linux, Git, Bash, Hasura, Docker, Django, CMake, Makefile, Cypress
Databases: Postgres, MongoDB
Interests: Backend Development, Game Development, & Systems Development.