

ROHITH JAYARAMAN

224-260-1460 | rjayaraman@u.northwestern.edu | Evanston, IL
[Website](#) | [Github](#) | [Linkedin](#)

EDUCATION

-
- Northwestern University**, *Master of Science in Computer Science (GPA: 4.0/4.0)* Jan 2021 - Mar 2022
- Relevant coursework: Agile software development, Systems programming, Kernel level programming, Databases, AI programming
 - Built a virtual face mask as part of the CS396 Generative methods class (which got featured in a [Northwestern article](#))
- SASTRA University**, *Bachelor of Technology in Computer Science and Engineering (GPA: 8.83/10.0)* Jul 2015 - Jul 2019
- Relevant coursework: Design & analysis of algorithms, Data structures, Operating systems, Databases, Computer Architecture

RELEVANT EXPERIENCE

-
- Quantel AI**, *Software Engineer Intern* Jun 2021 - Sep 2021
- Developed an end to end service to allow users to create investment accounts with Quantel AI and third party investment companies
 - Created a backend (Flask) that received data via API and called the third party API after transformation into the required format
 - Designed the frontend (React) as a single page multi-part form that collected & validated user details and sent them to the backend
- Freshworks Inc.**, *Software Engineer (Freshworks Developer Platform)* Jul 2019 - Dec 2020
- Implemented a dockerized middleware server that powered multiple Slack integrations ([Freshdesk](#) [~800 installations], [Freshservice](#) [~2100 installations])
 - Designed and implemented a microservice based architecture to modularize the code
 - Wrote a standardized environment variable storage mechanism using the encrypted JSON format
 - Integrated codebase with CI/CD (Jenkins), deployed code on AWS (EC2 instance) and oversaw performance via NewRelic

SKILLS

Languages: [*Proficient*] Javascript, Python, MySQL; [*Familiar*] C++, Rust, Java;

Frameworks: [*Proficient*] NodeJS (with Mocha/Chai), React, React native; [*Familiar*] Flask, Vue;

Tools: [*Proficient*] Github/Git, AWS (S3, EC2, RDS, DynamoDB, Secrets manager, Cloudwatch); [*Familiar*] Docker, Jenkins/Github actions, NewRelic;

Non-technical skills: Leadership, Teamwork, Communication, Public speaking;

PROJECTS

-
- Plant recommender**, *React native (Firebase, Github)* Feb 2021 - Mar 2021
- Developed a plant recommendation app using React native that recommends a list of plants for your house. Data was stored in firebase and accessed through API calls
 - Supported user registration and login via email and password (using firebase user authentication)
 - Implemented search feature to lookup plants using their common or scientific names for ease of access
 - Allowed adding plants as favorites for future reference
- Resume builder**, *React (Firebase, Github)* Jan 2021 - Feb 2021
- Implemented a resume generator/builder tool that generates resumes based on the format chosen and data provided by the user
 - Supported adding multiple custom sections and details such as education, experience, contact information
 - Resume was hosted online and could be shared instantly using the link. Resume could also be downloaded as a PDF
- Pokedex bot**, *NodeJS, Python* May 2020 - Jun 2020
- Developed a discord bot that would give details about any pokemon when asked by the user. Bot returns pokemon name, number, type, strengths, weaknesses and evolutions (if any)
 - Programmed the bot (NodeJS) to listen for messages in the channel and respond appropriately based on the question
 - Built a python server that would act as an API service, accepting requests and returning pokemon data from the database if found. The NodeJS code simply called this service as if it were a routine API call
- Object follower car**, *Python (Robotic Operating System)* Feb 2019 - Jun 2019
- Designed software for an object follower car that detects objects and determines trajectory, speed to move towards the object
 - Modularized the code into components which communicated through publish-subscribe message model

CONFERENCES

-
- CMD-IT/ACM Richard Tapia Conference** Sep 2021

ADDITIONAL EXPERIENCE

-
- Northwestern University**, *Peer Mentor/Teaching Assistant (Course: CS496/396 Data Science Seminar)* Sep 2021 - Dec 2021
- Northwestern University**, *Graduate Research Assistant* Apr 2021 - Jun 2021

LEADERSHIP/EXTRA CURRICULARS

-
- Executive board member, SPLASH @ Northwestern (SPLASH aims to provide learning opportunities to high school students)
 - Represented Northwestern University at the North American Debate Championships
 - Presented sessions at the Freshworks Developer conference conducted in April 2020 and August 2020