Goutham Gundapaneni

Birmingham, AL-35205 | (205)-427-5710 | gouthamrao2593@gmail.com |linkedin.com/in/gg2593/

A graduate student pursuing master's in computer science and have strong foundation in Data Structures and Algorithms and programing principles in web application. Looking for an opportunity to leverage my skills set in software development.

Education

University of Alabama at Birmingham   ***Birmingham, AL***
Master of science in computer science ***GPA-3.71/4.0***   ***Aug 2021-Dec 2022***
Coursework: *Network security, Machine learning, Cloud security, Foundation of data science, Cyber risk management, Systems Programming, Computer security.*

CVR College of Engineering   ***Hyderabad, India***
Bachelor of Technology in Information Technology ***GPA-3.0/4.0***   ***Aug 2016-Sep 2020***
Coursework: *Higher Engineering Mathematics, Data Structures, Programming.*

Experience

iB Hubs   ***Hyderabad, India***
 Front end, Intern   ***Nov 2020- May 2021***

- Worked on responsive web pages using HTML, CSS, and Bootstrap.
- Applied Object-Oriented Programming Principles and Asynchronous Programming Concepts to solve real-life use cases with JavaScript.
- Developed web applications from scratch using React and MobX with supporting toolchains such as Git, Tailwind CSS, NodeJS, Babel, Jest, and Webpack.
- Worked on Securing a web application such as token-based authentication and cookie-based authentication.
- Developed maintainable, testable, and scalable web applications by following Clean Code Practices and Automated Testing.

Projects

Systems programming project   ***Jan 2022-April 2022***
Technologies: *Putty, WinSCP, C Programming language.*

- Designed and implemented file system calls open, read, write, close, fork, wait, exit.
- Implemented search command that executes the UNIX command with optional arguments for each matching file using fork/exe/wait
- Implemented two commands "show jobs" and "submit history" show jobs assign a job id to each job and status of the job. Submit history lists all the processes that were executed by job scheduler which including name of the job, job id that was assigned to it, the start time and end time of the job, and the status of the job whether the job completed successfully or not.

Cloud based Antivirus project   *August 2021-Dec 2021*
Technologies: CLAM AV antivirus engine, Spring Boot, JDK17.
- Built a UI webpage to upload a file from system which runs on AWS Ec2 instance to detect virus.
- Implemented spring boot framework to create a micro service to run without relying on any external webservices tool.
- Implemented a cloud function on S3 bucket create file event, the job of cloud function is to connect with Clam AV antivirus engine running on EC2 and to read file from S3 and using Clam AV library to check if the file has virus or not.

Book recommendation system using collaborative filtering   *Mar 2020-Sep 2020*
Technologies: NetBeans, Java, Heidi SQL, Apache Tomcat.
- Built a web base application for book recommendation system which aggregate ratings of objects, recognize commonalities between users based on their ratings and generate new recommendations.
- The online recommendation system is built using collaborative filtering using Tanimoto coefficient and Loglikelihood similarity.

CERTIFICATIONS & TECHNICAL SKILLS

Certifications:	Python for Data and Science *Udemy,* Cybersecurity certification from university of Alabama at Birmingham.
Programming languages:	Python, Java, C.
Software Frameworks:	.Net, Django, Spring.
Web Development:	HTML, CSS, JavaScript, Bootstrap, Angular, ReactJS.
Tools & Technologies:	Eclipse, Virtual Studio, AWS, Git.