

# Haravind Rajula

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## EDUCATION

<b>University of Maryland Baltimore County (UMBC)</b>	<b>Baltimore, MD</b>
<i>Master of Science in Computer Science</i>	Cumulative GPA: <b>3.78/4.0</b> May 2023
<b>Courses:</b> Object oriented Design, Distributed Systems, Web Development, Databases, data structures & algorithms	
<b>Vellore Institute of Technology</b>	
<i>Bachelor of Technology in Computer Science</i>	Cumulative GPA: 3.70/4.0 June 2019

## WORK EXPERIENCE

<b>Software Engineer Intern – Variyas Global Solutions</b>	<b>Feb 2023 – May 2023</b>
<ul style="list-style-type: none"><li>Developing client-side application using <b>NodeJS</b> (Express JS), <b>Java (Spring Boot)</b>, React, AWS, Apache <b>Airflow</b>, PostgreSQL and API -Gateway that integrates multiple microservices into a whole system</li><li>Proficient in <b>Bash</b> scripting and possesses a strong understanding of <b>TCP/IP, UDP, and HTTP protocols</b>, enhancing workflow efficiency and contributing to effective network communication.</li></ul>	
<b>Software Engineer III Intern – Walmart Global Tech</b>	<b>May 2022 – Aug. 2022</b>
<ul style="list-style-type: none"><li>Developed a productivity application for Walmart Store Associates using <b>Spring Boot, React, Apache Kafka, and Cassandra</b>, resulting in a <b>5-hour</b> increase in associate productivity and an indirect increase in revenue</li><li>Collaborated with a team of 3 interns to successfully deliver and demonstrate a project within a strict timeline</li><li>Achieved a 95% code coverage by implementing various testing frameworks including <b>JUnit and Mockito</b></li><li>Successfully demonstrated strong technical skills and ability to collaborate with cross-functional teams</li></ul>	
<b>Research Assistant – CARDS Lab, UMBC</b>	<b>Jan. 2022 – Jan. 2023</b>
<ul style="list-style-type: none"><li>Contributed to research projects on <b>ELK stack, ROS, Spring Boot, and RabbitMQ</b>, assisting a professor in completing 2 projects within a span of 6 months each</li><li>Expanded microservices between three services, resulting in a <b>40%</b> reduction in processing time</li><li>Recommended and implemented the ELK stack for real-time analytics and hosted it on AWS and Linux servers, resulting in a 60% improvement in system visibility and issue detection</li></ul>	
<b>Full Stack Engineer – KPIT Technologies</b>	<b>Aug. 2019 – Jul. 2021</b>
<ul style="list-style-type: none"><li>Built Java and Python-based utilities to automate data accuracy verification for a UK-based OEM client, which decreased the run time by 80% and reduced manual intervention</li><li>Experience with <b>AWS</b> services like EC2, S3, Lambda and Cloudwatch for deploying and scaling applications</li><li>Proficient in utilizing <b>Kubernetes</b> monitoring tools like Prometheus and Grafana to track system performance and resource utilization, resulting in a 30% improvement in system reliability and a 15% reduction in operational costs</li><li>Utilized <b>Spring Boot's</b> caching capabilities to improve application performance and reduce response times, resulting in a 50% reduction in database calls, mongoDB, and a <b>25%</b> increase in system throughput</li><li>Strong understanding of <b>frontend/UI</b> as React fundamentals, component lifecycle, Hooks and JSX syntax</li><li>Optimized performance using best practices like minification, caching, and lazy loading, resulting in a <b>50%</b> improvement in page loading times and a 20% increase in search engine rankings</li><li>Tools used Jira, GIT, Bitbucket, visual studio, Postman, Maven, Agile such as Scrum and Kanban</li></ul>	

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, Python, TypeScript, HTML, CSS, SQL, NoSQL, C#

**Frameworks:** Node.js, Express.js, React.js, CSS, Spring Boot, HTTP, JSON, REST, GraphQL, Kibana, Kafka, Junit, .NET

**Tools / Databases:** AWS, Git, Docker, Kubernetes, MongoDB, Elasticsearch, Cassandra, MySQL, PostgreSQL

## RELEVANT PROJECTS

<b>Distributed File System</b>	<b>Java   Multi threading   RMI   Sockets   Cipher</b>
<ul style="list-style-type: none"><li>A concurrent file system with ACID properties for creating, reading, and updating files by multiple users simultaneously</li></ul>	
<b>E-commerce website</b>	<b>Express.js   Mongo   React   Bootstrap</b>
<ul style="list-style-type: none"><li>E-commerce platform with UI designed using Bootstrap, CSS, React, and React Hooks for state management</li><li>Used reusable and composable UI components with Hooks like useState, useEffect, and useContext</li></ul>	
<b>Centralized Multi-User Concurrent Bank Account Manager</b>	<b>C++   Multi threading   Web Sockets   Linux</b>
<ul style="list-style-type: none"><li>Charted a multithreaded system in C++, executing transactions simultaneous from <b>1000</b> of clients over TCP socket</li><li>Applied distributed system concepts like processes, threads, concurrency control and synchronization mechanisms.</li></ul>	

## AWARDS AND ACTIVITIES

- Volunteer, **Association of Computing Machinery**, conducted several workshops to inspire young minds
- Earned **Go-Higher Award** – for excelling and managing multiple activities simultaneously