

# Mohamed Sharukh Shaji

[sharukhsm@gmail.com](mailto:sharukhsm@gmail.com) | [linkedin.com/in/sharukhsm/](https://www.linkedin.com/in/sharukhsm/) | [sharukhsm.github.io/cv/](https://github.com/sharukhsm)

## EDUCATION

<b>Master of Science, Information Technology (4.00 GPA)</b> University of Cincinnati, Cincinnati, Ohio, United States	<b>Dec'23</b>
<b>Bachelor of Engineering, Electronics, and Communication</b> Anna University, Chennai, Tamil Nadu, India	<b>Apr'19</b>

## SKILLS

**Programming Languages:** Java, Python, Javascript (ES6)  
**Web Technologies:** ReactJS, AngularJS, NodeJS, ExpressJS, JQuery  
**Database:** MySQL, SQL Server, PostgreSQL, NoSQL, MongoDB  
**Cloud:** Microsoft Azure, AWS, Docker, Kubernetes  
**Software Tools:** Postman, Git, Jira, Visual Studio Code

## EXPERIENCE

<b>Full stack developer Intern</b> <b>Nuubi Inc, Miami, United States</b> <ul style="list-style-type: none"><li>Developed a Full-stack e-learning application for students using React, Node, Express, and React Native.</li><li>Reduced API latency (from 10 to 3 seconds) via REST APIs employing microservices architecture on AWS Lambda and DynamoDB to serve 10k+ students.</li><li>Architected a real-time messaging system, through the utilization of Socket.IO.</li><li>Achieved a 40ms reduction in PostgreSQL database query execution time by optimizing the database architecture and utilized AWS (Elastic Beanstalk, EC2, Lambdas) for cloud services.</li></ul>	<b>Sept'23 - Dec'23</b>
<b>Software Engineer</b> <b>Infosys, Bangalore, India</b> <ul style="list-style-type: none"><li>Developed server-side web services in Java using Spring Boot; Implemented a feature to facilitate concurrent database updates in SQL Server to improve application performance by 40%.</li><li>Implemented Redux for state management, leading to a decrease in load times and an increase in app responsiveness.</li><li>Leveraged Docker to containerize Frontend and API for easy deployment and scalability.</li><li>Established automated build processes using Azure Pipelines, replacing outdated manual developer workflows.</li><li>Devised and implemented complex and fail-proof database updates to avoid data corruption.</li></ul>	<b>July'21 - Aug'22</b>
<b>Software Engineer</b> <b>Cognizant, Pune, India</b> <ul style="list-style-type: none"><li>Modernised the UI using React, and implemented key features resulting in an elevated efficiency and user experience.</li><li>Improved user satisfaction by 2x points through Java-based RESTful APIs with Spring Framework and Azure SQL Server.</li><li>Dockerized micro-services and automated daily builds, resulting in a reduction of process time by using Jenkins CI/CD.</li><li>Identified and addressed 100+ security vulnerabilities to improve reliability, security, and maintainability and documented the process for future use across the organization.</li><li>Decreased project delivery time and cut costs by \$300K through the implementation of agile and scrum methodologies.</li></ul>	<b>Nov'19 - Feb'21</b>

## PROJECTS

<b>College Enquiry Chatbot</b> <ul style="list-style-type: none"><li>Designed a cloud-based chatbot for college inquiries leveraging Google Dialogflow a SaaS product of Google Cloud, enabling real-time responses to student queries on school information and course-related matters.</li></ul>
<b>SpotifyHue</b> <ul style="list-style-type: none"><li>Built a program to synchronize Philips Hue lights with Spotify song album art colors using Python and JavaScript.</li></ul>
<b>PinCast - API - based Weather Application</b> <ul style="list-style-type: none"><li>Engineered a real-time weather app based on Google Maps and Weather API using Angular, Node.js, JSON, REST API, HTML, CSS, and JavaScript.</li></ul>
<b>TodoWoo</b> <ul style="list-style-type: none"><li>Coded a To-do List App using Django, Bootstrap4, Django Forms, and SQLite3. Ensured user privacy and secure authentication. Enabled task creation, completion, prioritization, and deletion.</li></ul>

## CERTIFICATIONS

- AZ-900:** Microsoft Azure Fundamentals certification.
- Web Development Bootcamp:** 55-hour immersive full-stack web development course completion on Udemy.