

Sayeera Shaik

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WORK EXPERIENCE

University of Missouri <i>Graduate Student Assistant</i>	Columbia, MO <i>Oct 2022 - Present</i>
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- Developed a React based web app with custom workflow integrating Python, R and cloud-based services for single-cell data analysis aiding the research community, and deployed in AWS EC2
- Developed REST APIs in Flask and integrated in MongoDB improving the response time by **60%**
- Used version control systems like git for collaborative and efficient code management.
- Containerized workflows with docker, ensuring 40% reproducibility and seamless deployment.
- Developed a full-stack website using Django to provide analysis of N-rate for crop production, improving data processing efficiency by 30%.
- Integrated the application with an MSSQL server utilizing MySQL database, enhancing data retrieval speed by 25% and ensuring 79.9% uptime.

Tata Consultancy Service <i>Associate Software Developer</i>	Hyderabad, IND <i>May 2019-July 2022</i>
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- Developed and rigorously tested RESTful APIs for banking systems, using test-driven development methodologies in an agile team environment.
- Contributed to API documentation and testing, resulting a 30% decrease in defects. Integrated Structured Financial Message Systems (SFMS) with Tomcat, MYSQL, JSP and core Java.
- Enhanced intra/inter-bank communication, supporting NEFT and RTGS. Optimized SFMS messaging, reducing latency by 40%. Proficient in Core Java, JDBC, MySQL and Oracle for application development and troubleshooting.

EDUCATION

University of Missouri-Columbia <i>Masters in Computer Science</i>	Columbia, MO <i>August 2022-Present</i>
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VNR VJIET <i>Bachelors in Electronics and Communication</i>	Hyderabad, IND <i>July 2015 – May 2019</i>
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SKILLS

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- *Programming languages* - C, Java, Python, JavaScript, Typescript, HTML, CSS
 - *Web Frameworks* – Nodejs, Angular
 - *Tools* - Eclipse, Visual Studio, Git, Jupyter.
 - *Technologies* - Machine learning, Cloud lab
 - *Databases* - MySQL, RDBMS, Oracle, MongoDB
 - *Operating Systems* - Microsoft Windows, Linux