SAYEERA SHAIK

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Technical Skills:

- Programming Languages: Java, Advanced Java, Java Script, Typescript, Angular, Python
- Databases: MySQL, SQLite, Oracle
- Operating Systems: Windows, Linux
- Software Tools: Eclipse, MATLAB, Git, Jupyter
- Web development: HTML, CSS, ES6.

Education:

University of Missouri-Columbia   **Columbia, Missouri**
Master of science in Computer Science   Anticipated Graduation: **May2024**

Vnr Vignana Jyothi Institute of Engineering and Technology   **Hyderabad, India**
Undergraduate in Electronics and Communication Engineering / GPA: 8.83   **June 2015-May 2019**

Work Experience:

Present: University Teaching Assistant under professor

- Assisted with grading and held office hours for students during Undergraduate.
- Assisted with course coordination and offered useful suggestions as per course requirements.

STUDENT ASSISTANT - RESEARCH / DIGITAL BIOLOGY LAB, UNIVERSITY OF MISSOURI

- Developed UI, and various functional APIs for a seamless end-to-end website experience. Created a login page for the user interface using Java Script.
- Utilized Angular v16 to design and implement dynamic user interfaces, including drag and drop, search interface, forms, dashboard widgets and navigation menus, etc.
- Assisted in the design and implementation of responsive web pages, ensuring a consistent user experience across devices.

SENIOR SOFTWARE ENGINEER / TATA CONSULTANCY SERVICES

- 3.2 years of experience developing REST API'S using test driven development for banking, contributed for development, documentation, testing and maintenance and providing immediate assistance for Banking issues.
- Experienced in leveraging Structured Financial Messaging System (SFMS), an Indian standard akin to SWIFT, for secure intra-bank and inter-bank communication. Proficiently utilized SFMS for enhancing secure messaging within the bank, along with facilitating applications like NEFT and RTGS. Applied technical expertise in Tomcat, MySQL, JSP, and core Java to support seamless SFMS integration.
- Initial hands-on work experience in application development using Core Java and JDBC technologies, MYSQL and Oracle to run the application and resolve the technical glitches.
- Worked for banking application known as SFMS (structured financial messaging system) in which my role is to develop code as a new change request by RBI (Reserve Bank of India).

Projects/Internships:

- Interned for a period of 6 weeks on "web development" on an online Internshala training program.
- Designed 'Book recommendation system using Machine learning' project in undergraduate which is useful to get personalized recommendations based on persons age, book tags and other factors.
- Completed "Machine Learning" course which is certified by Microsoft and worked on various algorithms using python that make predictions over a huge data set.
- To predict a protein sequence's 3D structure from its amino acid sequence, built a training model that accepts missing backbone coordinates and predict sequences for partially masked structures using CNN and a set of Hyperparameters for the ESM model in Inverse Folding => Colab Inverse Folding
- Completed a course on "Internet of things" (IOT) organized by Intel and acquired the fundamental knowledge of cloud computing using API Lora Technology.