

SRICHARITHA TIRUKOTI

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EXECUTIVE SUMMARY:

- 4 years of experience as Associate Software Engineer. Skilled in full-stack development and collaborating effectively within multidisciplinary teams to achieve project goals.
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EDUCATION:

- Masters | Computer Science| University of Texas at Arlington, USA *Aug '22 - May '24*
 - Bachelor's| Electronics and communication| GITAM University, Hyd, India *Jun '14 - Apr '18*
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WORK EXPERIENCE:

Associate Software Engineer - Carpediem Technology Systems Pvt. Ltd., Hyderabad **Aug'18 – May'22**

Projects:

Singulr - Property management software application.

9by10 - Telugu Movies Portal.

Aspire - Doctor appointment and Hospital management application.

- Developed the full stack platform including APIs.
 - Developed multiple scripts to automate various processes. Worked with Project Managers and Technology Architect in preparing detailed requirements for projects based on high-level requirements
 - Participated in Agile/Scrum development and deployment teams. Followed agile methodology during complete SDLC process. Analyze requirements with the team; write high-level design documents, System Use Case, analyze risk factors.
 - Involved in developing Web Application with Full Software Development Life Cycle (SDLC) from Design to Deployment.
 - Developed designs that meet the project's high-level and detailed requirements.
 - Developed multiple new features for each release on various endpoints.
 - Worked on the improvement of performance of various endpoints, thereby meeting all the accepted SLAs on performance end.
 - Developed and automated testing scripts using Python and Selenium, and conducted comprehensive unit testing to ensure all features functioned correctly.
 - Technologies used: Django, Python, Mysql, HTML, CSS, JavaScript, JQuery, Github, JIRA.
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SKILLS:

Programming Languages: Python, Java, C, C++, PHP, R

Web Development/ Framework: Django, ReactJs, HTML5, CSS3, Javascript, JQuery, Laravel

Database Management: MySQL, PostgreSQL, SQLite3

Development Tools/ Frameworks: JIRA, GitHub, Selenium, Postman API, ns3 simulator, NetAnim, 2Bootstrap

Data Science/Analysis: scikit-learn, Weka, Matplotlib, NumPy, Pandas, TensorFlow, Keras, PyTorch

PROJECTS:

- Implemented a web interface in React to interact with the Arlington Sprouts database, facilitating operations like displaying item details, inserting new items, updating records, and deleting items.
- Developed an educational institution application with 5 different dashboards and implemented CRUD operations.
- Designed an Art Selling website where a customer can shop for a wide variety of items and place the order.
- Developed a cafe management website where customers can book an event and view cafe's menu.
- Implemented a machine learning project, "Student Job Prediction," using Simple Linear Regression, Random Forest, and Decision Tree algorithms to predict job prospects for students.
- Developed a C-based ns-3 simulation code for a network with 8 sender-receiver pairs running TCP, using Netanim for animation and assessing throughput/goodput per flow in a 30-second simulation.
- Developed an Artificial Neural Network (ANN) model to identify and classify fake user profiles on social media platforms, contributing to enhancing network security and integrity and achieved 100% accuracy.