SRICHARITHA TIRUKOTI

sricharitha.t16@gmail.com | +1(682)2510171| ⬤@sricharitha16| 🖸www.linkedin.com/in/sricharitha-t

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.

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*

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.

- Engineered and maintained a comprehensive full-stack platform, including the design and implementation of robust APIs..
- Developed multiple scripts to streamline and automate various operational processes, enhancing efficiency and accuracy.
- Collaborated closely with Project Managers and Technology Architects to translate high-level requirements into detailed project specifications.
- Actively participated in Agile/Scrum teams, contributing to iterative development and deployment cycles, and ensuring adherence to agile methodologies throughout the SDLC.
- Conducted thorough analysis of project requirements, authored high-level design documents, and crafted detailed System Use Cases. Assessed and mitigated potential risk factors.
- Delivered new features for various endpoints in each release, aligning with project requirements and user expectations.
- Enhanced the performance of multiple endpoints, ensuring compliance with all accepted Service Level Agreements (SLAs).
- 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.

SKILLS:

Programming Languages: Python, Java, C, C++, PHP, R
Web Development/ Framework: Django, React, HTML5, CSS3, Javascript, JQuery, Laravel
Database Management: MySQL, PostgreSQL, SQLite3
Development Tools/ Frameworks: JIRA, GitHub, Selenium, Postman API, ns3 simulator, Bootstrap
Data Science/Analysis: scikit-learn, Weka, Matplotlib, NumPy, Pandas, TenserFlow, 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.