SUHAS SIDDARAJGARI TELLATAKULA

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CAREER PROFILE

Self-motivated and experienced **Software Engineer** focused on designing and developing robust scalable enterprise applications. Skilled at full stack development of web applications, distributed systems, requirement and complexity analysis, object-oriented programming, data structures, algorithms, problem solving, communication, interpersonal skills.

EDUCATION

Master's in computer science, University of North Texas – 4 GPA   **Sep 2022 – May 2024**

Computer Algorithms, Computer Architecture, DB Fundamentals, Secure e-commerce, ML, Software Development for AI.

Bachelor's in electronics & communication Engineering, VTU, India – 4 GPA   **Aug 2015 – July 2019**

WORK EXPERIENCE

Graduate Teaching Assistant – University of North Texas   **Jan 2023 – May 2024**

- Collaborated with Professor on Software Engineering class of 120 students for 3 semesters, while supervising 3 graders.
- Mentored 15+ teams each semester with SDLC methodologies and activities from requirement to testing phase.

Software Developer – **Bosch Global Software Technologies,** Bengaluru, India   **Sep 2019 – Aug 2022**

- Developed and maintained the backend of a cross-functional automation framework (SmartDNC) for OEM design configuration, auto code generation, and validation using Java in Spring and source tree, bitbucket for version control.
- Actively participated in the requirements gathering, analysis, design, development, integration, and testing of core diagnostic modules including code generators, Excel-XML converters, and Enum Auto-mappers.
- Implemented data parsing capabilities to process data in XML and Excel formats, enabling automated generation of output formats with default settings. Crafted web pages, RESTful APIs using Swagger for SmartDNC microservices.
- Enhanced the framework by integrating an NLP feature developed in Python. Conducted unit testing with JUnit and utilized Sonar for code quality analysis.
- Led a global team of 4 associates to successfully deliver application rollouts with client customizations by completing Jira tasks in biweekly sprints following Agile methodology, resulting in a 40% increase in efficiency and performance.

Data Science Intern – TechieAid, Bengaluru, India   **June 2018 – Aug 2018**

- Applied and analysed various Machine Learning algorithms on 3 datasets in Anaconda, Jupyter, Spyder using python.
- Built KNN and Random Forest models on a dataset to predict the survival rate and evaluated it with different metrics.

TECHNICAL SKILLS

Java, Python, JavaScript/Typescript, C, C++, C#, SQL, HTML5, CSS, XML, JSON, Perl, Asp.Net MVC, SSMS, jQuery, J2EE, Spring boot, Kafka, Microservices, Multithreading, Junit, JDBC, Maven, Swagger, REST API, React, DOM, Apache Tomcat, CI Continuous Integration, CD Continuous Development , Jenkins, Git, GitHub, Jira, Docker, AWS, GCP, relational and NoSQL databases, MySQL, Microsoft SQL, PostgreSQL, Oracle, Cassandra, Hadoop, HDFS, Agile, Scrum.

PROJECTS & PRESENTATIONS

- **iCare** – Java web application for hospital staff to manage patients developed using Springboot, RestAPI, MySql reactJS.
- **Product Management System | Task Management System** – 2 simple Java Springboot projects with MySql database.
- **iCare | Employee Self-Service Portal** – 2 distinct Asp.Net MVC applications with C#, MSSQL database, SSMS.
- **Diabetes | Visa Prediction Tools** –2 distinct machine learning solutions with data analysis on diabetes and visa datasets.
- **Autonomous Fetch-Bot for Garbage Collection | Voice Controlled Robot | Smart Home Security System**– Built 3 hybrid projects using Arduino, Raspberry Pi and PIR Sensor; **presented** papers **at IETE National Conference**.

CERTIFICATIONS & AWARDS

- **Bosch Data certified master's program** NIPUN | **AWS Tech Essentials** on SimpliLearn.
- **R | Machine Learning** on NPTEL - IIT online platform. | **AI & ML workshop** by KnightsRoboCorp.
- Was awarded $4,000 Graduate Assistantship every semester 2022-2024.
- Won best process innovation and top innovation in last 25 years awards for SmartDNC in Bosch Fit Fest 2022.
- Won best hybrid project awards in University Project Expo for 2 consecutive years – 2018 and 2019.