RUCHITHA EKKALADEVI SRINIVAS

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SKILLS

- **Languages & Frameworks:** Java, C, C++, Python, Javascript, HTML, CSS, PHP, TypeScript, Angular, React, JSON, Node.js, Spring boot, Flask, Django
- **Data Science and Analysis:** Machine Learning, Python, Tableau, Power BI, Excel, Pandas, NumPy, Scikit-learn
- **Database:** MySQL, MongoDB, SQL
- **Software Development and other technoloiges:** Data Structures and Algorithms, Object-oriented design, Scrum, Git, MS office, VSCode and Cloud Computing technologies: AWS, Kubernetes, Docker
- **Development Environment:** Linux, Agile Methodologies

WORK EXPERIENCE

Intern Software Engineer — Texas, US
ADVENTA SOFT INC. — Jan 2024 - May 2024

- Designed and implemented key SQL Server components, which improved database performance and data accuracy.
- Produced web applications with JavaScript, AngularJS, REST Web Services, CSS, JQuery, AJAX,XML, Bootstrap, and HTML enhancing user interface responsiveness by 25% and improving user experience.
- Troubleshot and debugged software, increased stability by 40%. Created and maintained documentation, cutting onboarding time for new developers by 50%.

Project Intern — Hyd, IN
GoalStreet — Jun 2020 - Aug 2020

- Online Hotel Item Search: Contributed to a Capstone project using Java with Spring Boot for the backend and React for the frontend, enhancing application performance. Optimized SQL database management and integrated RESTful APIs, improving data retrieval efficiency by 20%.

Project Intern — Hyd, IN
National Small Industries Corp — Jun 2019 - Aug 2019

- Spam Call Detection: Worked as a Project Intern developing a spam call detection system using Python. Achieved 90% classification accuracy and reduced false positives by 40% using machine learning techniques and advanced libraries for data analysis.

PROJECTS

Train Ticket Management System

- Created a scalable train booking system using Python, Django, MongoDB, Angular, and SQL, enhancing booking and payment efficiency. Utilized MongoDB with hash tables and queues to reduce customer support response times by 30%. Designed a responsive front-end with HTML, CSS, and JavaScript, greatly improving user experience.

Instagram Clone

- Built a fully functional Instagram clone using Python, Django, Spring Boot, MongoDB, and Angular. Optimized database interactions with Django ORM, cutting query processing time by 30%. Developed engaging user interfaces and key features like user registration, photo uploads, and likes, boosting user activity.

Exploratory Data Analysis of Student Performance

- Analyzed 1,000+ student records using Python, Pandas, and NumPy, identifying key performance trends with 15% improved accuracy. Visualized correlations between demograhics and academic performance using Matplotlib and Seaborn

EDUCATION

University of Central Missouri — Warrensburg, Missouri
Master of Science, Computer Science — May 2024
Advanced Database Systems, Algorithms, Operating Systems, Web Applications, Machine Learning

Malla Reddy College of Engineering — Affliated JNTUH, Hyderabad, India
Bachelor of Technology, Computer Science and Engineering — June 2021
Object Oriented Programming, Data Structures, Computer Networks and Database Systems

CERTIFICATIONS

- Agile Project Management, Google
- AWS S3, Coursera
- REST API using NodeJS Serverless Functions, Coursera
- EC2 Instance Shell from AWS Console, Coursera
- Salesforce Admin, LearnKartS
- VPC using AWS, Coursera
- Core Java, NIT Technologies