SUMANTH REDDY BURUGULA

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WORK EXPERIENCE

Northampton Community College

Assistant Professor Computer Science: Sept 2024-Present

• Developed and implemented C++ programming courses that integrated hands-on projects, resulting in a 30% increase in student engagement as measured by course evaluations and project completion rates.

•Engage in research, contribute to curriculum updates, participate in academic planning, and collaborate with faculty to organize seminars and integrate industry trends into teaching.

Missouri University of Science and Technology   Rolla, MO

Graduate Teaching Assistant(Programming with C++)   Jan 2024 – May2024

• Achieved a 95% student satisfaction rate by efficiently addressing inquiries and spearheaded new teaching strategies that boosted engagement and participation.

NTT DATA Global Services (National Life Group)   Hyderabad, Telangana

Information Technology Senior Associate, Software developer   Dec 2020 - Jul 2022

• Efficiently resolved complex annuity and life insurance issues using SAS and COBOL, securing ongoing operational continuity in integration and delivery (CI /CD) and elevating client satisfaction by 20% using agile model.

• Implemented code optimizations that slashed processing time for admin jobs in Vantage by 40%, resulting in significantly faster run times and smoother operations using Information Technology Infrastructure Library (ITIL) framework.

• Led the development and enhancement the product requirement of systems using COBOL programming, conducting thorough unit testing, integration testing and continuous integration pipelines providing crucial support during production deployments to ensure seamless functionality.

• Managed system development projects in COBOL, while also demonstrating expertise in designing DB2 schemas and tables, also using IDMS, creating JCLS job cards for batch job execution.

ZSoft solutions Software Intern   May 2019 - Aug 2019

• Designed and developed a scalable application to deploy a production environment, ensuring reliability, scalability, and performance under high traffic conditions using Java J2EE and leveraged JDBC for efficient database interactions and query execution.

• Focused on modular development for ease of maintenance and extensibility using agile methodology.

• Conducted thorough testing to ensure bug free performance.

EDUCATION

Missouri University of Science and Technology   Rolla, MO
Master of Science in Computer Science   May 2024
Gitam School of technology   Rudraram, Hyderabad, Telangana
Bachelor of Technology in Computer Science   May 2020

PROJECT EXPERIENCE

Market Basket Analysis   Hyderabad, Telangana

• Utilized the Apriori algorithm to analyze customer transaction data, identifying frequent item sets and improving recommendation accuracy by 20%. Implemented a customized dataset creation process, enhancing 15% increase in user engagement with the application. Collaborated with data scientists to train the model on historical user behavior, leading to a 30% decrease in algorithm processing time.

Decentralized Application for secure messaging   Hyderabad, Telangana

• Integrated web3.shh with Django framework to enhance the functionality of the secure messaging platform, ensuring an active user interface engagement.

• Mist Browser to enable easy access to the decentralized application, increasing user adoption by 20% within the first month of launch. Ethereum Whisper protocol to develop a decentralized application for secure messaging, resulting in increased data security and privacy for users.

SKILLS

•Java,J2EE, Data Structures, Spring, Boot, Hibernate, C, SQL, JavaScript, HTML, CSS, Python, COBOL, DB2, CICS, XML, JCL, SAS, R, File Systems, Object Oriented Programming with C++, ServiceNow, JIRA, GIT, MICROFOCUS, TSO/ISPF, FILE-AID/FILE MANAGER, FILE-AID DB2/FILE MANAGER DB2, ENDEVOR, Word, PowerPoint, Excel, IDI, SPUFI, Confluence, Power BI, Tableau, Linux, Selenium, SySML, UML.

•ISO certified C with Data Structures, Core Java(J2SE), Mainframe Application Developer, NTT DATA Internal Business Analyst certification - Level 1, NTT DATA Certified Test Engineer, Microsoft Azure AI fundamentals.