Kyathi Sushma Arikatla

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Professional Summary:

I'm a passionate and adaptable Computer Science professional with a strong academic foundation and over 4.5 years of experience in training and software development. Adept at learning new technologies and driving innovative solutions, I am eager to contribute to forward-thinking projects. Currently pursuing a Master's in Computer Science at Old Dominion University, with an expected completion in December 2024, I am dedicated to delivering impactful results and open to relocation.

Education:

Master's in Computer Science
Old Dominion University | Expected Completion: Dec 14, 2024

Bachelor of Technology in Computer Science
Prakasam Engineering College (Affiliated with JNTUK)

Professional Experience:

Graduate Research Assistant
Old Dominion University | Jan 2024 – Present

- Developed a Python-based solution to scan directories for missing .srt files associated with video files and automatically notify through email.
- Integrated Kaltura using APIs to automate video uploads.
- Assisted in data cleaning and analysis for the IVY chatbot, refining questions into a more formal structure.
- Contributed to front-end development and interface enhancements to improve functionality and user experience.

Software Developer
LBK Soft Tech | Aug 2021 – Jun 2023

- Designed and developed the official company website for LBK Soft Tech (lbksofttech.com).
- Contributed to the development of INGENIUM, an online insurance policy administration platform used by DXC for life insurance companies through Mphasis.
- Specialized in INGENIUM technology, COBOL, DB2, JSP, and RESTful services, enhanced user password enhancement encryption functionality, and supporting life insurance policy systems for DXC Technology and DAI-ICHI Life Insurance.
- Worked on multiple INGENIUM releases (21.2, 22.1, 22.2, and 22.3), contributing to encryption functionality, RESTful service enhancements, and DXC Ingenium interface modifications.
- Played a key role in the PA Claims project for DAI-ICHI Life Insurance in Myanmar
- Key responsibilities: Prepared technical and module specifications while performing unit testing and addressing client-raised issues, develop and implement assigned functionalities, And also Participated in internal reviews and offered technical insights for enhancement.

Trainer
LBK Soft Tech | Oct 2019 – Jul 2021

- Trained over 30 professionals in C programming, Core Java, COBOL, JSP, HTML, and database queries.
- Provided specialized training in INGENIUM technology and flow files management.

Academic Projects:

Comparative Study of Global Unemployment Rates (1991–2022)
Master's Project

- Conducted research comparing unemployment rates globally before and after the COVID-19 pandemic.
- Analyzed trends in India and the United States from 1991 to 2022, identifying key factors contributing to differences or similarities.

Exploring Obesity Trends Across Age Groups, States, and Race/Ethnicity Over Time
Master's Project (Ongoing)

- Leading team efforts in research focused on overweight and obesity, contributing heavily to project development and data analysis.

Framework for Data Protection in Social Networking Sites
Bachelor's Major Project

- Led a team in developing a data protection framework for social networking sites using Python, HTML, CSS, and MySQL.
- Implemented facial feature measurement techniques to enhance user security.

Technical Skills:

- Programming Languages: Python, Core Java, COBOL, JSP, C
- Web Development: HTML, CSS, RESTful Services, API Integration, Ingenium Technology
- Tools: Kaltura, Cisco Packet Tracer, AppsGeyser
- Familiar tools: Visual Studio, Weka, Open Refine, MATLAB, Google Colab
- Databases: MySQL, DB2

Certifications & Achievements:

- **CISCO Networking Academy**: Earned badges in Introduction to Cybersecurity, Packet Tracer, Cyber Security Essentials.
- Completed Job Application Essentials through IBM SkillsBuild.
- Top position in **Mathematics** and **Physics** in EAMCET at Intermediate College.
- Developed 7 mobile applications using **AppsGeyser**.
- Completed internship with **Cisco**, creating 5 projects on packet tracer for wireless network installation.

Additional Experience:

- Extensive training in Ingenium application programming and RESTful web services.
- Participated in the development of job-related tools and platforms during B. Tech and Master's programs.