VENKATA RAMA KRISHNA SASTRY KAMBHAMPATI

Qualified B.Tech. professional **with over 3 years** of experience in **Application Development**; targeting assignments in **Data Science and Application Development** with an organization of high repute

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PROFILE SUMMARY

- Gained exposure to process requirements and provide use cases for business, functional & technical requirements
- Understanding of Software Development Lifecycle (SDLC) right from requirement analysis, documentation (functional specifications, technical design), coding, and testing (preparation of test cases along with implementation) to the maintenance of proposed application
- Gained experience in **multiprocessing, multithread programming and optimization techniques** including Software Structure for Sustained Innovation (SSE) and Single Instruction Multiple Data (SIMD) vector processing instructions
- Demonstrated excellence in developing a **python-based API for IBM MQ**
- Developed an algorithm to solve sudoku puzzle in python (demo). Later implemented same algorithm in kotlin and created an android application which takes a picture of sudoku puzzle and provides solution (demo)
- Capability in devising and implementing Statistical / Predictive Models and Machine Learning Algorithms utilizing diverse sources of data, Skilled in conducting analysis for structured and unstructured data using Python, and SQL
- Worked closely with Quality Assurance Team to help them develop and execute automated test scripts, using the provided automation framework
- Developed **PED (Personal English Dictionary)**, A customizable dictionary application for both desktop and android mobile users using JavaFX Application Framework and Android Studio
- Created **Cryptiphy**: An algorithm performing encryption and decryption of messages based on a password of the user's choice designed by taking play fair cipher as a reference which is further developed into an application for both desktop and android mobile users using JavaFX Application Framework and Android Studio
- Updated knowledge by studying state-of-the-art development tools, programming techniques, and computing equipment, participating in educational opportunities, reading professional publications, and maintaining personal networks
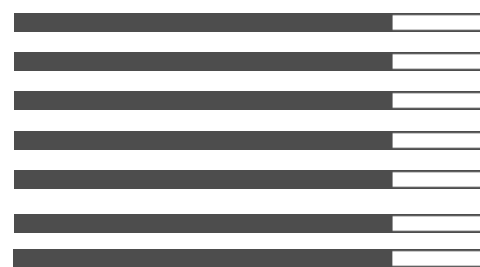
EDUCATION

Jun 2014 - Apr 2018
B.Tech, JNTUK NRI INSTITUTE OF
TECHNOLOGY, Agiripalli

TECHNICAL SKILLS

Java
Python
C++
SQL
Ansible
Linux
Android
Web Development
AI

CORE COMPETENCIES

Application Lifecycle Management
Project Monitoring, Tracking & Control
Automation
Application Development
Web Development
Troubleshooting
Defect Resolution & Design Optimization

SOFT SKILLS

Analytical
Presentation
Communication
Multi-Tasking
Team Management

🏆 ACHIEVEMENTS

- Achieved **"Service & Commitment"** award from TCS
- Cleared TCS Elevate Wings1 Direct Capability Assessment
- Received **"Special Initiative"** and **"Special Achievement"** awards once for mycontribution to the AI project with Rapid Cohort from TCS
- Awarded "Best Team" award twice from TC and "On the Spot" award 3 times from TCS
- Honored with "Fresco Play Miles" award 5 times from TCS
- Acquired TCS Kudos during ILP
- Secured first place in a 1/3rd technical hackathon
- Spearheaded the Miracle Software Systems, recognized as one of the top 3best teams and selected as the best performer during the Internship period

🏆 CERTIFICATION

- **Azure Data Scientist Associate by Microsoft in May 2022 (Certificate ID:992978726)**
- **Android Developer by Edureka on 29th Dec 2020 (Certificate ID: AECUUSRD)**

💼 WORK EXPERIENCE

Dec 2018 - Present
Tata Consultancy Services, Chennai
System Engineer

Key Result Areas:
- Worked on Java, Oracle Database, JSP, and Angular UI framework to develop a POC web application during ILP
- Operating with the product management team and engaged internal customers to understand requirements and gather feedback on solutions
- Performing analysis, design, verification, demonstration, and maintenance of products in a process-driven, team environment
- Executing unit/basic/functional test cases and framework
- Contributing to software improvements (products, processes, methods, tools), design inspection, and code review
- Participating in requirements gathering for enhancements and creation of high-level as well as detailed-level design documents
- Resolving the issues and providing an efficient solution
- Observing the manual processes and identifying the scope of automation and providing the same
- Automated manual tasks like file monitoring, log verification, through python and created a monitoring tool using the Tkinter UI framework and vulnerability patching and deployment activities like Oracle Java up-gradation, DR Switching activities, through Ansible
- Worked closely with Quality Assurance Team to help them develop and execute automated test scripts, using the provided automation framework
- Supported clients in a cross-functional environment, performed analysis based on requirements analysis and technical evaluation
- Developed a machine-learning model to predict emotions through face detection generating a Customer Satisfaction Index based on customer interaction videos
- Deploying the application in Azure cloud and using Flask python web framework and ReactJS for development
- Mentored the team to learn Python, Ansible and coaching to use and address tasks where there is scope for automation
- Created a SharePoint website to have all requirements like issue documents, server playbooks to support multiple applications in one place

💼 FREELANCE EXPERIENCE

Dec 2016 - Dec 2018
Application Developer
Freelancing, Vijayawada

Key Result Areas:

- Before Leave: A desktop application that simplifies faculty Leave Management process developed using Java Swing Application Framework.
- Exam Manager: A desktop application that simplifies exam seating plan and set management developed using JavaFX Application Framework.

💼 INTERNSHIP

May 2017 - Jun 2017
Miracle Software Systems, Vizag
Application Developer

Key Result Areas:

- Constructed [Blood Bot] a Facebook chatbot using [Api.ai (Dialogue flow), Node.js, MongoDB]
- Functioned mainly as a part of the back-end development team, also Integrated multiple software components into a fully functional software system

📇 PERSONAL DETAILS

Address	: 1-4/3-50, KK Nagar, VD Puram, 520012, Vijayawada
Date of Birth	: June 9th, 1997
Languages Known	: English and Telugu