



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

+917993668960
 ishna.official@gmail.com



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 the 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 **AI algorithm to solve sudoku puzzle** in python ([demo](#)). Later implemented the 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, SQLite, web scraping techniques and Android Studio.
- Worked on machine-learning models to **predict the emotions through face detection**. Gained hands-on experience in techniques of **image processing** and **video processing** using Nvidia GPU & python libraries like TensorFlow, OpenCV, dlib, etc.
- 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

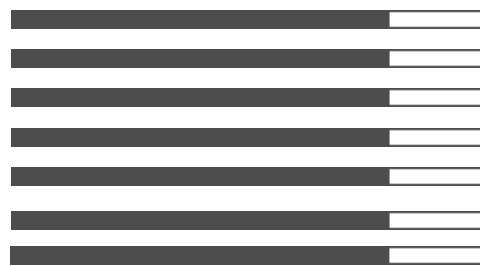
Jun 2014 - Apr 2018
B.Tech, JNTUK NRI INSTITUTE OF
TECHNOLOGY, Agiripalli

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 my contribution to the AI project with Rapid Cohort from TCS
- Awarded "Best Team" award twice, "On the Spot" award thrice and 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 3 best teams and selected as the best performer during the Internship period

CERTIFICATIONS

- [Azure AI Engineer Associate](#), AI-102 by **Microsoft** in May 2022 (Certificate ID: **992978726**; Certification Number: **I257-4069**)
- [Azure Data Engineer Associate](#), DP-203 by **Microsoft** in May 2022 (Certificate ID: **992978726**; Certification Number: **I256-7032**)
- [Azure Data Scientist Associate](#), DP-100 by **Microsoft** in May 2022 (Certificate ID: **992978726**; Certification Number: **I250-2515**)
- [Android Developer](#) by **Edureka** in 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, 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 the 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 the emotions through face detection, utilizing that created an application using the Flask python web framework and ReactJS to generate a Customer Satisfaction Index report based on customer interaction videos. Deployed that application in the Azure cloud.
- 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 support multiple applications in one place



FREELANCE EXPERIENCE

Dec 2016 - Dec 2018

Application Developer

Freelancing, Vijayawada

Key Result Areas:

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



INTERNSHIP

May 2017 - Jun 2017

Miracle Software Systems, Vizag

Application Developer

Key Result Areas:

- Constructed [Blood Bot] a Facebook chatbot using [Api.ai (Dialogflow), 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