Pichuka Manoj Kumar

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**SUMMARY**: Results-driven Software Engineer with over 2 years of experience in designing, coding, and deploying robust software solutions. Skilled in leveraging modern technologies and methodologies to enhance system performance and user experience.Reduced the time of execution of SQL Scripts by 55% and efficiently Executed all the terminology. Strong problem-solving abilities and a collaborative team player committed to delivering impactful results and continuous improvement.

# EXPERIENCE

# EnergyTech Global, Hyderabad— *Software analyst(Backend)*

JAN 2023 – PRESENT

* **Expertise in Backend Technologies:** Proficient in designing and implementing scalable backend solutions using technologies such as Python, AWS Lambda, SQS, Glue jobs ensuring robust performance and reliability for energy tech applications.**Bikkie** is a back-end platform which uses the Odoo ERP Framework with Python programming language and PostgreSQL Database.This Platform effectively manages customers data and facilitates customer support in resolving queries.
* **API Development and Integration:** Experienced in developing and integrating RESTful and GraphQL APIs using AWS Applications to enable seamless communication between front-end and back-end systems, enhancing functionality and user experience.
* **Database Management:** Skilled in working with relational and non-relational databases (e.g., PostgreSQL, MySQL) to efficiently manage and query large datasets, optimizing data storage and retrieval processes.Reduced the time of execution of SQL Scripts by 55% and efficiently Exceuted all the terminologies.
* **Performance Optimization:** Adept at identifying and addressing performance bottlenecks, employing best practices for code optimization, and utilizing tools like caching and load balancing to improve system efficiency and responsiveness.
* **Version Control and Collaboration:** Proficient in using Git for version control and collaboration, ensuring smooth workflow management and effective team communication during the development lifecycle.

**Smart Interviews,** online – ***DSA Teaching Assistant***

JUL 2022 - SEP 2022

**Effective Instruction and Support:** Provided clear and engaging explanations of complex data structures and algorithms concepts, assisting students in understanding and applying theoretical knowledge to practical coding problems.

# PROJECTS

# Deep Learning Based content Recommendation on facial Emotions.

We recommend the content based using facial expressions.We used **LBPH** for Face detection and **CNN** for emotion detection.We used python and SQL in backend .

**Tech Used:** Python, Flask,HTML, CSS.

**ANDROID MALWARE DETECTION-Machine learning and cyber security**

We detect the Malware in the URLs. We used python and SQL as database .We provided the user ,interface to use using Django framework, where user drop their browsing link which they are browsing. Provide the results is it Malicious or not.

**Tech Used**: Python,Django,html,CSS.

**HACKATHONS**

1. **Risk Calculator (python,django,HTML,CSS,JS):** This is conducted in Invesco Hack2hire hackathon.we developed the application which calculates the risk percentage using various indicators based on the specific time period of specific stock.

* It gives the Risk percentage in the specific period.

1. **Automatic Care Taking Cradle**: Micro Controller, Sensors, Actuators. This is a prototype of an automatic cradle built using Arduino containing different features including :-

* Swinging based on the crying sound of the baby.
* Playing music/lullaby based on crying sound.
* Changing the lighting.

**SKILLS**

Python,AWS Lambda, AWS SQS, Glue Jobs, Flask,Java OOPs,DataStructures and Algorithms,Flask, Odoo, XML, MySQL, RESTful APIs

**Tools:** GITLAB, Visual Studio, Pycharm.

# EDUCATION

# B.Tech. Computer science and engineering | Gokaraju RangaRaju Institute of Engineering and technology| CGPA: 8.48

# ACHIEVEMENTS

# Winner of Invesco Hack2Hire in Invesco Hackathon round.

# Runner in IOT Hackthon.

# 4 Star CodeChef(Rating1804(max)).

# Solved 300+ leetcode problems.

**RESPONSIBILITIES**

# Leader of Invesco Hack2Hire Hacathon and IOT Hckathon.

# Organised an IOT Hacathon In college.

# PROFILES

# [Leetcode](https://leetcode.com/Mannu_747/).

# [HackerRank](https://www.hackerrank.com/manojkumarpichu1).

# [GitHub](https://github.com/mannu-747).

# *CERTIFICATIONS*

Problem Solving(Intermediate).

AWS Cloud Basic.

Java(hackerrank).