RAMACHANDRA BABU NANDA KUMAR

[in] **LinkedIn** | 📱+91-9742699082 | ✉ ramchandraz2011@gmail.com | Serving Notice Period | ⚙ **GitHub**

Experienced Software Developer with 6 years of expertise in crafting high-quality software solutions. Proven track record in driving innovation and optimizing performance. Ready to tackle new challenges and make a significant impact in the tech world.

Skills

- Python3 | Agile | Flask | RESTful API | Postman | Django | Docker | Jenkins | HTML | CSS | JavaScript | Microservices
- Pandas | NumPy | MQTT | Machine Learning | Deep Learning | TensorFlow | Scikit-Learn | OpenCV | OOP
- OpenCV | PYQT | GUI Development | DSA | Automation | Unit Testing | CI/CD
- PostgreSQL | SQLite | NoSQL | MongoDB | Ubuntu | Windows | Distributed Systems | Frontend | Backend | Full-Stack
- Team Leadership | Collaboration | Problem Solving | Critical Thinking | English– *professional proficiency or above*

Experience

Senior Software Engineer   **Larsen & Tourbo Technology Services**   *Bengaluru, India*   **09/2021 - Current**

- Automated test cases using Python, developed algorithms for API output validation, and implemented logging and output file generation.
- Achieved a 180% increase in client billing through timely task completion, efficient shell scripting, and peak-time productivity. Led a team to develop and maintain software, significantly improving scalability and robustness.
- Recognized with the 'Star of the Month' award for on-time delivery and client commendation.

Software Developer   **UST Technology Services**   *Bengaluru, India*   **08/2018 - 09/2021**

- Specialized in IoT projects, proficient in product analysis, embedded C programming, and understanding Degrees of Freedom (DOF).
- Conducted data collection for leaf and nut classification, trained and tested deep learning models for accuracy, refined data collection for improved results, and developed inference code.
- Developed an object detection system to identify cars from a top view using Raspberry Pi, involving training, data collection, and inference. Delivered a proof of concept using TensorFlow Object Detection API.
- Developed an attendance monitoring system using Jetson Nano for inference with trained, labeled data. Enhanced a parking lot management system by improving software inference and accuracy using advanced classification techniques.
- Created a user-friendly interface for a geographic fence detection system with PyQt framework; improved real-time monitoring capabilities, leading to a 35% increase in system efficiency and 20% reduction in manual oversight
- Created a GUI using the PyQt framework in Python to interact with SDKs and APIs, incorporating vision-based computing, action-triggered widgets, a logger window, and dynamic widget actions.

Education

Bachelor of Engineering   **Visvesvaraya Technological University**   *Bengaluru, KA, India*   **08/2014 - 04/2018**

- Major in Electronics and communication Engineering with 72% first class with distinction grade.

Projects

- **OCR**: Developed a classification algorithm using Python, OpenCV, and Scikit-learn to detect and classify handwritten and printed characters in images. **(02/2018)**
- **Energy Conservation using piezo Electric-Cells**: Developed a mechanism to convert human muscular energy into heat energy, store it in a conducting medium, and generate electricity. **(08/2017)**

Certification

- **Flask Essential Training Certificate** [in] (June/2024) | **Building RESTful APIs with Flask Certificate** [in] (June/2024)
- **Machine Learning with Python Foundations Certificate** [in] (June/2024) | **Learning Django** [in] (Jul/2019) | **Advanced Python -**[in] (Jul/2019)
- **Artificial Intelligence Foundations: Machine Learning** [in] (Jan/2022) | **Generative AI -** [in] (June/2024) |
- **Pandas Essential Learning - Certificate** [in] (Jul/2024) **Microservices Certificate** [in] (July/2024)

Accomplishments

- **Shining Star Recognition at UST** for optimizing GUI to work on cross platform, scalability and advanced application view and leading the team of 3 colleagues to meet the requirements.
- **Shining Star Recognition at UST** For the delivering GUI based application as per the client requirements and timely delivery with quality software.
- **Star of the Month Award at Larsen & Toubro** for delivering the quality automation test cases on time and increasing productivity when needed by the client's customer.

Others

- **Currently serving notice period, my last working day is 28-sept-2024 at Larsen & Technology Services.**
- **Offers from TCS, WIPRO, UST, CGI, IRON MOUNTAIN.**