KAMIYAB HUSEN BHATT

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SUMMARY

Dynamic Software Engineer with over 2 years of experience in developing software applications, designing robust architectures, and implementing automated frameworks. Proficient in Python, Java, Machine Learning, and diverse libraries/frameworks including OpenCV and Django. Expertise in Agile methodologies, stakeholder collaboration, and contributing to successful project completions.

EXPERIENCE

Software Engineer

Capgemini **July 2022 - Present, Gandhinagar, India**

- 1) Developed and deployed Linux-based embedded systems using C++ and Python, resulting in a 40% enhancement in real-time performance and overall system efficiency.
- 2) Designed robust architectures for embedded applications, boosting scalability and reliability, and minimizing system downtimes.
- 3) Implemented automated testing frameworks using pytest and Gherkin, reducing testing time by 60% and enhancing software quality.
- 4) Automated an MQTT-based messaging system using the aiohttp library, optimized Redis for caching and data storage, and utilized Node-Red for data flow management, decreasing data transmission latency.
- 5) Performed comprehensive requirement analysis and collaborated with stakeholders to refine and document software requirements, ensuring complete alignment with project objectives.
- 6) Leveraged Git, Jira, and Agile methodologies in SAFe-driven projects, fostering team collaboration and achieving a 95% on-time delivery rate for project milestones.
- 7) Strategized and executed comprehensive test plans, including impact analysis and risk assessments, and performed manual, integration and formal testing, increasing defect detection rates by 35%.

Python Intern

Axisray **January 2022 - April 2022, Ahmedabad, India**

- 1) Developed a multi-class object detector using the YOLOv4 deep learning model, increasing detection accuracy to 90% through a strategic divide-and-conquer approach.
- 2) Gained proficiency in Python and libraries such as NumPy, Pandas, OpenCV, and PyTorch, delving into Machine Learning, Computer Vision, and Deep Learning principles.
- 3) Led key projects including Illegal Parking Detection, Mask Detection, and Object Detection (OD), emphasizing practical applications in real-world scenarios.
- 4) Thrived in an Agile team environment, consistently delivering development tasks on time, enhancing team productivity, and ensuring seamless project execution.

SKILLS

Technical Languages: Python, Java, C/C++, Javascript

Frameworks: Django, Flask, FastAPI, Pytest, Gherkin, Spring Batch, Spring Boot, Spring MVC, Hibernate, ReactJS

Libraries: Pandas, NumPy, Matplotlib, SciPy, OpenCV, PyTorch, Keras, TensorFlow, aiohttp, scikit-learn

Technical Expertise: AWS, MySQL, MongoDB, Redis, Git, GitHub, Jira, MQTT, Node-Red, HP-ALM, Shell scripting

Fundamental Skills: Data Structures, Algorithms, Object-Oriented Programming, DBMS

Industry Knowledge: Software Requirements, Agile Software Development, Requirements Analysis, Requirements Gathering, Formal Testing

Interpersonal Skills: Stakeholder Engagement, Problem Solving, Effective Communication, Presentation Skills

Other Areas: Machine Learning, Deep Learning, Computer Vision, Data Analytics, Data Visualization, Mathematics, Statistics

Languages : 1) English, 2) Hindi, 3) Gujarati

EDUCATION

Bachelor of Engineering in Information Technology

Lalbhai Dalpatbhai College of Engineering • Ahmedabad, India • CGPA: 8.90/10

- Aug, 2018 - May 2022

PROJECTS

Illegal Parking Detection System

January 2022 - April 2022

- 1) Developed a computer vision-based system to automate the detection of illegal parking, reducing manual monitoring efforts by 70% and enhancing safety in urban areas.
- 2) Implemented an object detector using the YOLOv4 model, trained on the COCO dataset, achieving a detection accuracy of over 90% and improving vehicle recognition in video streams.
- 3) Leveraged Python, OpenCV, and advanced machine learning techniques to automate the detection process, reducing development time and ensuring a robust solution.

PEPTC Services

April 2021 - May 2021

- 1) Engineered a user-friendly web application using the Django framework, enables users to book a wide range of home services, including Plumbing, Electrical work, Painting, Tailoring, and Carpentry.
- 2) Employed a robust MTV (Model-View-Template) architecture, utilizes SQLite for store and manage the data, ensuring smooth data operations and retrieval.
- 3) Integrated JavaScript to seamless and interactive user experience, allowing users to easily navigate through service categories, view available professionals, and schedule appointments at convenience.

REFERENCES

Available Upon Request