Onkar Kulkarni

Python | Chatbot Developer

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SUMMERY

Mechanical engineer with 4+ years' experience working in the field of artificial intelligence, machine learning, and automation technologies. Possesses an understanding of developing end-to-end AIML applications as per client requirements which include Tata Motors, Jaguar Land Rover, etc.

KEY SKILLS

• Python3 • Machine Learning • Chat bot Development • Artificial intelligence

TECHNICAL SKILLS

- **Programming**: Python3, shell scripting
- **Python**: Numpy, pandas, Matplotlib, seaborn , scikit, SciPy, Apache Kafka, Kubernetes, Flask API
- **Operating System**: Linux,Ubantu.
- **Chatbot technology**: RASA, Google Dialogflow, Jio Haptik (& basic understanding of Amezon Lex, Azure Luis, IBM Watson)
- **Database**: Mysql, MongoDB, Cassandra
- **Tool knowledge**: PyCharm, Jupyter Notebook

ACHIEVEMENTS

- Awarded champion of the quarter Q3 for project Chatbot 2.0 NLP Engine Multilanguage Support

EDUCATION

BE in Mechanical Engineering   Jun '18

Trinity College of Engineering And Research, Pune University,

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PROFESSIONAL EXPERIENCE

FPL Technology Pvt. Ltd   Apr '23 – Present
Chatbot for OneCard Credit Card   Pune

- Design chatbot workflow in Jio Haptik chatbot platform
- Develop chatbot for internal purpose using RASA and strapi (front end) framework
- **Technology: Python, RASA, Strapi, Flask API, pystach**

Synechron Technologies Pvt. Ltd   Oct '22 – Mar' 23
Data Quality & Governance (HSBC Bank)   Pune
Associate - Technology

- Develop Data quality and Data Governance tool using RASA NLP and develop chatbot for internal EAG workday portal
- **Technology: Python, RASA, Flask API**

TATA Technologies Ltd   Mar '19 – Oct '22
Connected Vehicle Platform (CVP)   Pune

- Sprint planning in **Agile Methodology**
- Requirement **detailing**, **Acknowledging** the Requirements from Layer1 and Layer 4 team and giving signoff to the document
- **Testcases verification** and execution on QA environment
- **Issue debugging**, **kubernetes** logs and nodes health checking
- **Jira** ticket management
- **API** development and testing

Project: AI/ML Chatbot Development (10+ bots in prod and 2+ in QA).

Develop a smart engineering assistance tool. Which simulates a real interaction with users via a chat interface in the design tool and provides practical solutions for the Engineering support function at user's fingertips.(40% workload reduced on support team)

- **NLP Engines:** Develop NLP engine to reduce workload from the support team and give tool knowledge and functionality to the user.
- **Material in-warding Bot** (Structure BOT): Develop mobile base BOT, which helps the quality engineers in checking the material status at material in-warding. The bot gives all information about part details and actual view of the part
- **Chatbot 2.0 NLP Engine Multi-Language Support**: o Supports multiple languages (English/Hindi/Hinglish). Creating a text assistant bot that accepts and understand input message in multi-languages and give output according to it.

Health Monitoring Automation For Connected Vehicle Platform Project.

Primary Goal: Automate Health monitoring process, convert manual Hm process into automated one

Challenges: Extract data from internal & external Kafka / Casandra /MongoDB and make sure it does not harm to our main stream

Role & Responsibility

- Gathered requirements and specifications & understand manual testing flow
- environment setup and required pckg installation on Linux system
- Created test scripts to automate testing using python3
- Interpreted and analyzed test data and prepared technical reports
- API development and storing data in Mysql

Technology: Python, Apache kafka consumer and producer, Mysql, Flask API

Predict Driver Breaking Pattern On highway and City - ML Engineer

Objective: To build classification model to determine driver's breaking pattern
Result: Application predict driver's breaking pattern and analyze Breaking Situation of driver like harsh breaking, Moderate, panic breaking, normal breaking, no breaking on highways and city roads.
Technology: Apache Kafka, Python, Cassandra, Mysql, Flask API
Duration:3 month

Internship   Jun '18 - Feb '19
Wire Harness Design   Pune
Design of Electrical Wire Harness For Automobile Horn And Headlight

- Creating 3D routing with master assembly
- API testing