Abhishek Jha

Python Developer

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PROFESSIONAL EXPERIENCE

SAP Labs India

Python Developer — Mar 2019 – present, Bangalore, India
- Working closely with the Landscape Information Discovery team to construct and provide on-premises and cloud-based customer tenants, delivering them as a service to internal stakeholders.
- Designed and implemented backend REST APIs using the Flask framework, focusing on thorough unit testing to address various usage scenarios.
- Following Cloud-Native microservices-based development using docker, Kubernetes, Jenkins, git/GitHub, SAP cloud, and AWS.
- Retrieved customer data from multiple live data sources, and combined it using distinct identifiers from cached sources.
- Accountable for managing the monthly release cycle.

Software Developer — Bangalore, India
- Worked alongside the S/4HANA cloud delivery team to develop an in-house one-stop web application to manage all customer systems, upgrade activity, health checks, and dashboard using the python Django framework.
- Developed backend APIs and rendered them in the required JSON format to consume to the frontend using jquery and ajax calls.
- Developed live dashboards on top of APIs called from live data sources.
- Developed frontend for multiple applications using HTML, CSS, javascript, and Metronic UI themes.
- Worked along with SAP global security team to get approved security concept document for the application as per their guidelines.

DevOps Engineer — Bangalore, India
- Worked as SAP basis consultant for S/4HANA cloud delivery team, was responsible for handling global customer technical incidents and getting them resolved as per defined SLA based on priority.
- Participated in S/4 backup handling, customer systems upgrades, handling multiple customer production systems outage scenarios, and patching activities.
- Worked as a "catalyst" on a project to automate the customer ticketing service(ServiceNow) to reduce the efforts of manually handling the tickets during mass data center outage events using a machine learning service.
- Worked along with the ServiceNow team on new feature enhancements, build dashboards, and tested different features for multiple use cases.

Accenture — Nov 2017 – Feb 2019, Bangalore, India
Application Development Associate
- Worked as Oracle PeopleSoft ERP SCM consultant for a US-based Healthcare Client.
- Developed chatbots to manage and serve financial and HR-related queries of employees for the client and achieved 96% of accuracy.
- Trained the bots for different utterances using Microsoft LUIS, created backend SQL queries to serve the relevant requests, converted them to WSDL, and tested using SOAP UI.
- Participated in resolving client's technical issues, and upgrade activities.

SKILLS

Python | Flask | Docker | Kubernetes | Rest API | Django Framework | HTML, Javascript, CSS | SQL

Git/Github | Linux | Pytest | Jenkins | PostgreSQL | Machine Learning | IOT

EDUCATION

M.Tech in Data Science and Engineering — Apr 2022 – present, India
BITS Pilani

B.E in Information Science and Engineering
B.v.b College of Engineering and Technology

ACADEMIC PROJECTS

Pedestrian Intention Detection

- The project is based on proposing a method to predict the intention of the pedestrian on the road whether they will cross the road or not. This method is used to reduce fatal road accidents using machine learning and image processing concepts.
- Developed an ML-based model to classify and predict the intention of a pedestrian if they are going to cross the road or not based on their hand and facial gestures.
- Developed and trained the Machine learning model using HOG Feature and SVM classifier.

Automated Fruit Classification

- The project is based on proposing a technique of sorting the fruits into the classes they belong to reduce the manual effort in food industries.
- The fruits to be sorted are placed on the conveyor belt and cameras attached to the conveyor belt captures the images of the fruit and send them to the machine where based on the extracted RGB feature SVM classifier predicts the class of input fruit.
- Developed and trained a machine learning model to classify different types of fruits based on their RGB features using image processing.

Air Analyser

- An 'Internet of Things' based project where we developed a device to check the concentration of pollutants in the environment using MQ series sensors and alert the user through e-mail using Arduino Uno, ESP8266, and the web server.
- Designed and Integrated the circuit using Arduino UNO, ESP8266, and different MQ series sensors to detect multiple harmful pollutants such as carbon monoxide, smoke and alert the users on their smartphone via email/SMS notification if the concentration of pollutants increases above their threshold value.

ACHIEVEMENTS

Winner of SAP Opspire: I&O Forum   2022
SAP Labs India
Track1: Transform with Innovative Solutions

Recognized as SAP Catalyst 2020-2021   2021
SAP Labs India

Selected in Top 25 ideas in India for Accenture Innovation Contest 'Tech for Good' 2018.   2018
Accenture

All India Rank – 37th in KVS - Junior Science Olympiad.   2010
Kendriya Vidyalaya

All India Rank – 33rd in KVS - Junior Mathematics Olympiad.   2010
Kendriya Vidyalaya

LANGUAGES

English | Hindi

INTERESTS

Travelling | Cricket | Badminton | F1 | Swimming | Scuba Diving