

## **PERSONAL DETAILS**

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### **Objective:**

To obtain a challenging a Python ML Engineer position with a reputable company where I can leverage my experience and skills to develop innovative ML Engineer solutions.

### **Experience:**

**Python ML Engineer**

**I Assist Innovation Labs,Bangalore**

**SEP2020 - 2022-OCT**

### **Responsibilities:**

Work with development teams and product managers to ideate software solutions

Design client-side and server-side architecture

Build the front-end of applications through appealing visual design

Develop and manage well-functioning databases and applications

Write and document effective APIs

Work with data scientists and analysts to improve software

### **Requirements:**

Develop & deploy applications on AWS Serverless services (Lambda, Step Functions API Gateway).

As a Python ML Engineer, my primary responsibility is to develop and deploy machine learning models using Python and its libraries. Here are the details of the role and responsibilities along with the time duration for my projects:

### **Project 1: Develop a sentiment analysis model**

**Time duration: 5 months Sep 2020-feb 2021**

The objective of this project is to develop a sentiment analysis model using Python and its libraries. My responsibilities would include:

Collecting and cleaning the data

Preprocessing the data (removing stop words, stemming, etc.)

Training the model using various algorithms such as Naive Bayes, SVM, etc.

Evaluating the performance of the model using metrics such as accuracy, precision, recall, and F1-score.

Deploying the model on a web application using Flask.

***Tools: Numpy pandas scikit learn flask matplotlib heroku git GitHub python and pycharm ide***

### **Project 2: Build a recommendation system**

**Time duration: 6 months March to sep 2021**

In this project, taken responsible for building a recommendation system that can suggest products to users based on their preferences. My responsibilities would include:

Collecting and cleaning the data

Building a collaborative filtering model using Python libraries like Surprise and TensorRec.

Evaluating the performance of the model using metrics such as RMSE and MAE.

Deploying the model on a web application using Flask.

**Tools:**

**Python and Flask**

**Packages:**

**Surprise, TensorRec, Pandas, NumPy, Scikit-learn, Matplotlib Seaborn**

**Project 3: Develop an image classification model**

**Time duration: 6 months October to April 2022**

**In this project**, taken responsible for developing an image classification model using Python and

its libraries. My responsibilities would include:

Collecting and preprocessing the data

Building a deep learning model using libraries like TensorFlow and Keras

Fine-tuning the model using transfer learning

Evaluating the performance of the model using metrics such as accuracy and F1-score.

Deploying the model on a web application using Flask.

**Tools: python flask git pycharm ide**

**Packages:**

**TensorFlow and Keras for building the deep learning model**

**OpenCV for image preprocessing**

**NumPy and Pandas for data manipulation**

**Matplotlib and Seaborn for data visualization**

**Project 4: Create a chatbot**

**Time duration: 5 months May to October**

In this project, taken responsible for developing a chatbot using Python and its libraries. My responsibilities would include:

Collecting and preprocessing the data

Building a natural language processing model using libraries like NLTK and SpaCy

Developing the chatbot using a conversational AI platform like Dialogflow or Rasa

Testing the chatbot's responses and improving its Performance

Deploying the chatbot on a web application using Flask

**Tools python flask git pycharm ide**

**Packages: Nltk SpaCy dialogflow AWS**

Overall, as a Python ML Engineer, taken responsible for developing and deploying machine learning models using Python and its libraries.

### **Full stack Developer**

**Agiliad Technology Company**

**OCT to -Feb 2023**

Roles:Development of front-end: With the help of HTML/CSS and JavaScript frameworks and libraries, the developer must be able to build interactive user interfaces.

Design the backend of the application: He must be able to build a robust backend architecture to fetch data from the servers.

Creating databases and servers: These systems must be resilient to outages and must function endlessly.

Ensuring Cross Platform compatibility: Applications must run smoothly on all operating systems like Windows, MacOS, and Linux.

API development: Depending on the application architecture, the developer is responsible for API creation. These APIs perform crucial tasks like fetching data from the server.

Meet all technical and consumer requirements: The developer must be able to build responsive applications that meet customer requirements and keep them engaged.

**Skills: python, django,flask,SQL,mongodb, AWS ,Rest API s,ML,NLP computer vision, Hadoop hive,deep learning, artificial intelligence, MySQL,ORM,ETL, Statistical analysis feature engineering**

### **Education:**

**Bachelor of Technology**

[JNTUK] CSE =72%[2019] Kakinada Andhra Pradesh

Intermediate at Narayana junior college Kakinada Andhra Pradesh with 71%