VISHNU P P

Artificial Intelligence Engineer (2 years 3 months experience)

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Career Objective

As an experienced AI engineer with a proven track record of successfully deploying AI solutions, I seek to join a dynamic organization to drive innovation, solve complex challenges, and create impactful solutions for society and businesses.

Experience

AI Developer   RGC Dynamics (October 2022 - January 2025)

- Developed and deployed various AI and machine learning solutions for business optimization and customer engagement.

Projects

- **Machine Learning
  AI:**

    – Recommendation System
    – Customer Churn Modelling
    – Dynamic Pricing
    – Customer Grouping
    – Toxic Word Classification (using Transformer model)
    – SQL Query Automation (using LLM and Google PaLM)
    – Customer Service Chatbot (using LLM)
    – Rasa Chatbot

- **Security
  Fraud Detection:**

    – IP blocking with CAPTCHA in Django
    – File upload security threat detection
    – Anomaly detection
    – Fraud Detection (Anomaly detection)

- **Image Processing:**

    – Image Search
    – Groceries Freshness Classification
    – Floor Clean Checking
    – Image Generation (using OpenAI and Pollination in Flask)

- **Backend Development
  Search Optimization:**

    – Elastic Search with Django
    – Backend Development of Sidra Infinity App

Certification Courses

**Python, Data Science-ML-AI,
Tableau:** Luminar Technolab, February 2022 - October 2022

- Performed EDA, feature engineering, and feature selection.

- Worked on clustering, regression, and classification problems.

- Hands-on experience with boosting, bagging, and regularization methods.

- Proficient in deep learning, including ANN, CNN, and transfer learning.

- Good hands-on experience in NLP.

Academic Projects

- **Diabetic Prediction:** End-to-end deployment using Heroku. http://diabeticspredict.herokuapp.com

- **HR Analytics**

Education

B.Tech in Mechanical Engineering	Government Engineering College, Kozhikode (2016-2020)	7.59 CGPA
Plus Two	GHSS Thottada (State) (2013)	93
10th Grade	St. Francis EM School (ICSE) (2015)	81

Skills

- **Programming:** Python, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn
- **Machine Learning:** Supervised Learning, Linear Regression, Logistic Regression, Random Forest, SVM, Unsupervised Learning, K-means Clustering, Model Hyperparameter Tuning, Model Retraining, End-to-End ML Lifecycle Management
- **Deep Learning:** ANN, CNN, PyTorch, TensorFlow, Keras
- **Large Language Models (LLM):** OpenAI GPT, Google PaLM, BERT, Transformer-based Models, Mixture of Experts (MoE), GAN AI
- **Retrieval-Augmented Generation (RAG):** RAG Pipelines, Knowledge Retrieval, AI Responses
- **MLOps & Model Deployment:** Kubeflow, MLflow, AutoML, KServe, Productizing ML Models
- **Big Data & Distributed Systems:** PySpark, Apache Kafka, Spark Streaming, Distributed Computing
- **Data Engineering & Processing:** SQL Databases, MongoDB, Cassandra, PostgreSQL, Amazon Keyspace, Elasticsearch, Data Mining, Text Mining, Time Series Analysis, Data Architecture Design
- **Cloud Computing & Infrastructure:** Cloud ML Execution, Cloud Resource Management
- **Networking & Telecom Domain:** RAN (Radio Access Network), CORE (Core Network), Exploratory Data Analysis (EDA) on Network Data
- **Version Control:** Git, BitBucket
- **Operating Systems:** Windows, Ubuntu
- **Tools:** Visual Studio Code, Anaconda, Jupyter Notebook, PyCharm, Google Colab
- **Web Frameworks:** Flask, Django

PERSONAL DATA

- **Gender:** Male

- **Date of Birth:** 10-05-1997

- **Languages:** English, Malayalam