BHUVANESHWARAN B

RADHA NAGAR,
CHROMPET,
CHENNAI 600044.

📞 8098492074 | bhuvaneshboominathan@gmail.com

✉ Github.com/BBHUVANESHWARAN **in** linkedin.com/in/bhuvaneshwaran-b-45575a216
https://bhuvanesh-portfolio-sand.vercel.app/

OBJECTIVE

Innovative and detail-oriented AI Developer with 2 years of hands-on experience in building, training, and deploying machine learning models. Experience in Machine Learning, Deep Learning, NLP, GenAI and LLMs. Passionate about building scalable AI solutions using Python, FastAPI, Django. Expertise in RAG-based AI applications, model optimization, and AI system.

SKILLS

Programming Languages: Python

AI/ML Frameworks: Libraries like TensorFlow, PyTorch, Keras, Scikit-learn, Opencv, Large Language Models.

Data Science: knowledge of statistics, data modeling, and predictive analytics.

Data Processing: Experience with Pandas, NumPy, and data visualization tools like Matplotlib and Seaborn.

Machine Learning: Supervised & Unsupervised Learning, Transfer Learning,Ensemble Learning

Deep Learning: CNNs, RNNs, GANs, Transformer Models, Autoencoders

Artificial Intelligence: NLP, Computer Vision, Reinforcement Learning

Deployment Tools: Flask, Django

Frontend: React.js, Next.js(Basic knowledge)

APIs & Backend: FastAPI, Django, RESTful APIs

LLMs & NLP: GPT, BERT, T5, Hugging Face Transformers, Word Embeddings, RAG,AI Agent, Agentic Ai.

Databases: MongoDB, Weaviate Cloud, Pinecone, SQL, Neo4j

Data Visualisation: Power BI, Tableau, Matplotlib, and Seaborn,Neo4j.

Tools: OpenCV, YOLO, Vision Transformers

Cloud Services: AWS,Google Cloud Platform(Basic Knowledge),Vercel

Version control: Git, GitHub

Problem-Solving: Ability to analyze complex datasets and derive meaningful conclusions.

Other Skills: Data Cleaning, Feature Engineering, Statistical Analysis, and Predictive Modelling

EXPERIENCE

✔ **Barrla Systems Pvt Ltd**   **March 2024 - Currently working**
AI Developer
*Engaged in innovation, study, analysis, development, and enhancement (isADE) efforts in the domains of machine learning (ML), deep learning (DL), natural language processing (NLP), and generative AI (Gen AI).

*Improved the accuracy of deep learning models by implementing advanced hyperparameter tuning strategies and deployed.

✔ **RETECH SOLUTIONS PVT LTD**   **January 2023 - March 2024**
Data Science Developer
*Built machine learning and deep learning models for tasks like image processing, NLP, and predictive analytics.

*Designed AI pipelines for real-world data science problems, optimizing workflows for maximum efficiency.

✔ **CRACKERS CITY SOLUTIONS PVT LTD**   **MAY 2021 - OCTOBER 2021**
Data Science

*Internship in Data Science Domain.

*I Used Python and Machine Learning, Deep Learning, Artificial Intelligence.

*Contributed to AI-powered projects, gaining foundational knowledge in deep learning and NLP techniques.

PROJECTS

✔ **RAG Chat APP**
Developed a web application that integrates Google Gemini to build a Retrieval-Augmented Generation (RAG) chat system. The application scrapes content from user-provided URLs, processes the content into vector embeddings with Weaviate DB, and enables intelligent chatbot responses using retrieved data.

✔ **Custom Bi-Directional LSTM with LLM(isADE)**
Develop a custom Bi-Directional LSTM (from scratch) for multiclass text classification with integrated LLM techniques to enhance model performance.

✔ **Real-Time Social Media Sentiment Analysis Dashboard**
Develop a dashboard that monitors social media trends and analyzes public sentiment in real-time. Uses LLMs for accurate sentiment prediction. Visualizes trends using Plotly with interactive charts. Stores and processes data efficiently with MongoDB

✔ **AI Chatbot with LLM Integration:**
Designed a Flask-based chatbot powered by advanced language models(LLM), improving multi-turn interaction.

✔ **AI-Powered Phishing Detection System**
Build an intelligent system that identifies phishing emails and malicious URLs using NLP techniques

EDUCATION

✔ **A.U.M.HR. SEC. SCHOOL.**   **2016**
10th
81.6%

✔ **A.U.M.HR. SEC. SCHOOL.**   **2018**
12th
66.5%

✔ **AYYA NADAR JANAKI AMMAL COLLEGE.**   **2021**
B.Sc(Computer Science)
7.15/10

✔ **AYYA NADAR JANAKI AMMAL COLLEGE.**   **2023**
Master of Computer Application
7.24/10

ACHIEVEMENTS & AWARDS

Python(Basic) - Hackerrank.

Problem Solving(Basic) - Hackerrank.

Diploma Course in Digital Marketing

Typewriting (English - Junior)

NCC Leader - Cadet Under Officer(CUO)

Participated in national-level workshops on AngularJS, Flutter, and cross-platform application development.

LANGUAGE

Tamil

English