VANAMA UDAY KIRAN

Phone: +91 8309676769
Email: vanamaudaykiran@gmail.com
LinkedIn: linkedin.com/in/uday-kiran-vanama762102048
GitHub: github.com/UdayKiran110405

Career Objective

Seeking a challenging role in AI/ML and Generative AI where I can leverage my expertise in Large Language Models, Deep Learning, and NLP to contribute to cutting-edge AI solutions. Passionate about developing RAG pipelines, implementing machine learning workflows, and driving innovation through advanced AI technologies.

Education

VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad **Nov 2022 – Jun 2026**
B.Tech in Computer Science and Engineering
CGPA: 9.73

Sri Chaitanya Junior College of Arts and Science, Khammam **Apr 2020 – May 2022**
Intermediate (MPC - Maths, Physics, Chemistry)
Percentage: 98.1%

Vani Vidyalayam, Sathupally **Apr 2019 – Mar 2020**
Secondary School Certificate
CGPA: 10.00

Technical Skills

- **Programming Languages:** Python, Java, JavaScript, C, C++, SQL, HTML, CSS
- **AI/ML Frameworks:** TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Web Development:** React, Node.js, Express.js, Flask, FastAPI, Bootstrap 5
- **Databases:** MongoDB, SQL, Oracle 11g
- **Data Analysis:** Power BI, MS Excel, Jupyter Notebook
- **Tools/Platforms:** Git, GitHub, VS Code, PowerPoint, Word
- **Specializations:** NLP, Computer Vision, Deep Learning, Sentiment Analysis

Projects

Text Humanizer - AI Content Enhancement System *(Python, NLP, Transformers, AI Text Processing, Generative AI)*
GitHub: github.com/UdayKiran110405/Text-Humanizer

- Developed advanced AI text humanization system that transforms AI-generated content into natural, human-like text using context-aware paraphrasing techniques
- Implemented sophisticated NLP algorithms and transformer models to reduce AI detection rates while maintaining content quality and coherence optimization for diverse content types
- Built user-friendly interface allowing real-time text processing with customizable humanization parameters and instant quality assessment

Review Master - NLP Chrome Extension *(Python, JavaScript, Flask, Selenium, Scikit-learn, NLP)*
GitHub: github.com/UdayKiran110405/Review-Master

- Developed Chrome extension performing real-time sentiment analysis on product reviews using VADER and Logistic Regression (81.7% accuracy), reducing analysis time by 90% compared to manual reading
- Engineered backend system handling 25,000+ reviews with 95% success rate, implementing efficient web scraping pipelines using Selenium and Flask APIs
- Designed aspect-based sentiment analysis identifying key product features (performance, quality) and their sentiment correlations through advanced NLP techniques
- Created interactive data visualizations including dynamic sentiment charts and word clouds to enhance user understanding of review trends and patterns

Brain Tumor Detection System *(Python, TensorFlow, CNN, Deep Learning, Computer Vision)*
GitHub: github.com/UdayKiran110405/Brain-Tumor-Detection

- Developed deep learning model using Convolutional Neural Networks (CNN) achieving 96% accuracy in brain tumor detection from MRI scans
- Implemented transfer learning with pre-trained models (VGG-16/ResNet) for enhanced feature extraction and model optimization
- Engineered comprehensive data preprocessing pipeline including image augmentation, normalization, and dataset balancing techniques
- Built user-friendly web interface for medical professionals to upload MRI scans and receive instant tumor detection results with confidence scores

Sleep Disorder Prediction System *(Python, Flask, Scikit-learn, Machine Learning, Healthcare Analytics)*
GitHub: github.com/UdayKiran110405/Sleep-Disorder-Predictor

- Developed machine learning system achieving 89% accuracy in predicting sleep disorders (Insomnia, Sleep Apnea) using Random Forest and ensemble methods
- Engineered feature engineering pipeline processing health metrics including BMI, blood pressure, heart rate, and sleep quality indicators
- Implemented comprehensive model evaluation using cross-validation, ROC curves, and confusion matrices for reliable performance assessment
- Built Flask web application with real-time prediction capability and interactive visualizations for healthcare professionals and patients

Full-Stack Blog Application *(MERN Stack: MongoDB, Express.js, React, Node.js)*
GitHub: github.com/UdayKiran110405/Blog-App

- Developed complete CRUD functionality for blog posts with rich text editing capabilities, including create, read, update and delete operations with proper authorization checks
- Implemented secure user authentication system with JWT tokens, featuring login/logout functionality, password encryption, and protected routes for authenticated users
- Designed responsive UI with React hooks and context API for state management, ensuring seamless user experience across different devices
- Integrated MongoDB for efficient data storage and retrieval with optimized queries and indexing for improved performance

Certifications

- **MERN Stack Development** – MasterCoding
  Covered full-stack web development using MongoDB, Express.js, React, and Node.js.
- **Machine Learning** – Simplilearn
  Completed a comprehensive course covering ML algorithms, data preprocessing, and model evaluation.
- **C Programming** – Globosoft BDPS
  Scored 92% in the final exam covering core programming fundamentals and problem-solving.

- **Smart India Hackathon** – National Level Participant
  Participated in a nationwide innovation challenge solving real-world problems using AI/ML solutions.
- **Smart Interviews (Silver Rating)**
  Earned silver rating for consistent problem-solving and DSA practice on Smart Interviews platform.

Achievements

Academic Excellence

- Awarded **Gold Medal** for securing highest CGPA (9.92/10) among 800+ first-year students across all branches
- Won **Gold Medal** in Mathematics Aptitude Test conducted by LEAD INDIA at district level among 150+ participants

Certifications

- **MERN Stack Development** – MasterCoding
  Covered full-stack web development using MongoDB, Express.js, React, and Node.js.
- **Machine Learning** – Simplilearn
  Completed a comprehensive course covering ML algorithms, data preprocessing, and model evaluation.
- **C Programming** – Globosoft BDPS
  Scored 92% in the final exam covering core programming fundamentals and problem-solving.
- **Smart India Hackathon** – National Level Participant
  Participated in a nationwide innovation challenge solving real-world problems.
- **Smart Interviews (Silver Rating)**
  Earned silver rating for consistent problem-solving and DSA practice on Smart Interviews.

Achievements

Academic Excellence

- Awarded **Gold Medal** for securing highest CGPA (9.92/10) among 800+ first-year students across all branches
- Won **Gold Medal** in Mathematics Aptitude Test conducted by LEAD INDIA at district level among 150+ participants

Technical Achievements

- Secured **Second Place** in College Internship Expo by developing an innovative ML-based project with 92% accuracy
- Advanced to finals in **Webathon** and **GDSC Hackathon** at VNRVJIET among top 5% of 50+ competing teams
- Selected for national round of **Smart India Hackathon** with AI-powered solution for skincare recommendations
- Mentored 15+ teams in **Krithomedh Hackathon** on full-stack development and machine learning concepts

Extracurricular Activities

- Core technical member of **Krithomedh** - VNRVJIET's premier Problem-Solving Club organizing coding events

Declaration

I hereby declare that all the information provided in this resume is true to the best of my knowledge and belief.

Place: Hyderabad

(VANAMA UDAY KIRAN)