HARISH PERICHARLA

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https://github.com/Hari00077

AI/ML Engineer

Engineering pursuing student, with intuitive problem-solving, programming and communication skills. Passionate about implementing and launching new projects, looking for an entry-level position in a collaborative working environment firm driven by technology.

WORK EXPERIENCE

AICTE-||AI: Transformative Learning with TechSaksham – A joint CSR initiative of Microsoft & SAP, focusing on AI Technologies.|| 11/2024 - Present

Internship: AICTE-||AI: Transformative Learning with TechSaksham – A joint CSR initiative of Microsoft & SAP, focusing on AI Technologies.|| Virtual

- Implemented spam email classification using NLP and ML techniques to detect spam messages.
- Performed text preprocessing (tokenization, stopword removal, TF-IDF) and trained models using Naïve Bayes and SVM.
- Evaluated model performance using precision, recall, and F1-score to improve accuracy.

BLACKBUCK   05/2024 - Present

Internship: AI/ ML - DS INTERN   Virtual

- Developed a heart disease detection model using AI/ML techniques to predict risks based on medical data.
- Performed data preprocessing, feature engineering, and applied classification algorithms like Logistic Regression and Random Forest.
- Evaluated model accuracy using metrics such as precision, recall, F1-score, and ROC-AUC for performance improvement.

EDUCATION

Bachelor of Computer Science and Engineering(AIML) in Computer Science and Engineering(AIML)

SRKR Engineering College   Bhimavaram • 09/2022 - 04/2026

Higher Secondary Education

Sri Chaitanya Junior College   Nellore • 06/2020 - 03/2022

CERTIFICATIONS

Data Science Certification
Udemy

Machine Learning Course
NPTEL

Data Analysis
NullClass

PROJECTS

Invoice Data Extractor – AI-Powered Document Automation using n8n, Telegram

Developed an intelligent invoice processing system using **n8n** for workflow orchestration, triggered via **Telegram bot** supporting **PDF, image, and text inputs**.

- Integrated **LlamaIndex (GPT-powered OCR and indexing)** to extract and semantically parse invoice content.
- Handled dynamic event-based workflows based on input type (PDF/Image/Text).
- Extracted structured fields like **Invoice ID, Item-wise Prices, Total Amount**, and **Payment Mode** using **AI-based text understanding**.
- Stored final structured outputs to **Google Sheets** via n8n automation.
- Built a scalable and modular pipeline with support for future LLM integrations and automation extensions.

Automated Student Attendance Notification System

- Engineered an automated workflow using the n8n platform to notify parents via WhatsApp about student absences, improving school-to-home communication.
- Designed the n8n workflow to read attendance data from a source like Google Sheets or a database on a daily schedule.
- Integrated the WhatsApp Business API within the workflow to programmatically dispatch personalized and timely alert messages to the registered parent phone numbers.
- Configured the entire process to run automatically using n8n's internal scheduler, ensuring reliable notifications without manual intervention.

Home-Style Meal Ordering Platform - Java Spring Boot Application

- Developed a full-stack web application to connect home cooks with customers seeking authentic homemade meals.
- Architected a robust and scalable backend using **Java Spring Boot** and followed RESTful API design principles.
- Implemented a comprehensive API using **Spring Web MVC** to handle all CRUD operations for users, menus, and orders.
- Engineered a secure user authentication system using **Spring Security** and JSON Web Tokens (JWT).

SKILLS

Technical competencies: Deep Learning, Jupyter Notebook, Languages:java, Machine Learning & AI: Scikit-learn, NLP, Platforms:Visual studio, python, TensorFlow, Web Technologies:MERN(learning)