RISHIKESH K

A PASSIONATE MACHINE LEARNING ENGINEER

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EXECUTIVE SUMMARY

Final-year B.Tech AI & Data Science student with strong expertise in machine learning, LLM applications, and data science workflows. Skilled in Python, Pandas, SQL, and ML frameworks for data preprocessing, feature engineering, and model development. Experienced with transformer models, embeddings, and building end-to-end ML pipelines. Passionate about applied ML, generative AI, and delivering scalable, production-ready intelligent solutions.

SKILLS

- Python (Advanced), Pandas, NumPy
- CNN, RNN, Computer Vision
- SQL, MySQL, Database Integration
- Prompt Engineering, HuggingFace Transformers
- Data Cleaning & Transformation, Workflow Automation (Airflow basics, cron jobs)
- API Integration, RESTful Services
- Git, CI/CD Essentials, Agile Development

PROFESSIONAL EXPERIENCE

Data Analytics with Advanced Excel – Intern │Accent Techno Soft, Coimbatore

Nov 2024

Gained hands-on experience with Power BI, MS Excel, Advanced Excel formulas, and data visualization.

AI Project Intern │ Prag Robotics,Chennai

Mar 2025

Gained hands-on experienceFull-stack web development using React and Node.js, AI/ML model integration with TensorFlow.js, secure authentication implementation, real-time analytics, responsive UI design, and CRM system integration.

Student Intern │ EDUSKILLS FOUNDATION

Oct 2023 – Present

- AI & ML
- Google Developer
- Data Engineering
- Amazon Web Services
- Data Analytics

EDUCATION

Carmel Garden Matriculation Higher Secondary School
2019 - 2022

- SSLC - 79%
- HSC - 83%

Nehru Institute of Engineering and Technology
2022 - 2026

- B.Tech, Artificial Intelligence and Data Science - 8.05 CGPA

CERTIFICATIONS

- Python for Data Science and Machine Learning: Zero to Hero - Udemy
- Machine Learning - NPTEL Online Certification
- Python Mastery with Generative AI - Udemy
- Python Development & Data Science - Udemy
- Deep Learning python project : CNN based Image Classification - Udemy
- IBM Machie Learning Professional Certification - Coursera

PROJECTS

- **SIGNEX – An IOT deaf assistive device** which interprets audio into sign language for deaf people to understand ; Technologies: Machine Learning , NLP , UI/UX (interface rendering).
- **Customer Segmentation Analysis for E-Commerce** - The project seems focused on analyzing customer behavior to segment them into meaningful groups, likely for improved targeting and personalization in an e-commerce setting. The use of Python and relevant machine learning libraries suggests the use of advanced techniques such as clustering or classification.
- **AUTONOMOUS FIRE EXTINGUISHING ROVER**- Developed an Autonomous Fire Extinguisher Rover using Raspberry Pi and sensors for real-time flame detection and obstacle avoidance. Implemented A* algorithm for efficient navigation. The rover autonomously detects and extinguishes fires, enhancing safety and reducing human risk. Successfully tested in simulated environments. Suitable for hazardous industrial applications.

KEY ACHIEVEMENTS AND AWARDS

- Won **First Place** in **NATIONAL CONFERENCE : NC-ISTAH 2024** ("Innovations in Science, Technology Agriculture and Healthcare Applications") For the paper - **AUTONOMOUS FIRE EXTINGUISHING ROVER.**
- Role played as **Rotaract Club of NIET's Secretary** : Managing administration, report submission, and communication with Rotary Clubs and Rotaract District Organizations. And awarded as **The Best Secretary of the year (2024 - 2025) by the Rotaract District 3201.**
- Completed Hindi Exams till **Visharad Poorvadh - Dakshin Bharat Hindi Prachar Sabha.**
- **Student Cabinet Ministry Chairman (2025 - 2026)**

ADDITIONAL INFORMATION

- **Languages**: Tamil , English , Hindi , Malayalam , Telugu
- **Soft Skills**: Leadership, Critical Thinking, Communication, Teamwork
- **Western Dancer** ; Passionate about performing and choreographing modern and country line dance styles.