

UTKARSH VERMA

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ABOUT

Passionate and dedicated individual with a keen interest in machine learning, data science, and backend development. Eager to leverage technical skills and academic knowledge in real-world projects.

EDUCATION

Indian Institute of Information Technology, Tiruchirappalli

Bachelor of Technology - BTech in ECE (CGPA: 8.54)

Tiruchirappalli, TN, India

11/2022 - Present

Blooming Buds' Academy

Class 12 (Percentage: 84.4%)

Khalilabad, UP, India

2020 - 2021

Blooming Buds' Academy

Class 10 (Percentage: 93%)

Khalilabad, UP, India

2018 - 2019

EXPERIENCE

Relearn Camp

Data Science with Python Intern

Bathinda (Remote), India

May 2024 - July 2024

As data scientists, we preprocess data for LLMs by analyzing it to identify patterns and issues, cleaning it to remove inconsistencies and irrelevant information, and structuring it to ensure compatibility and effectiveness for model training.

National Remote Sensing Centre (NRSC) (ISRO)

Machine Learning and Backend Intern

Hyderabad (Remote), India

April 2024 - August 2024

Remote Sensing Project - Using Sentinel hub Collaborated with NHRC (ISRO) on analyzing satellite imagery using ML for Crop Mapping, Yield Prediction and Research Purpose.

ICSSR Project

Machine Learning Intern

Tiruchirappalli, India

December 2023 - January 2024

News Tone Classification Developed ML algorithms to classify news tone (sarcastic/non-sarcastic) and assess news authenticity.

Fake News Detection Contributed to ICSSR project by implementing ML models for news analysis and fake news detection.

SKILLS

- **Technical Skills:** Data Analysis, Data Modeling, Data Visualization, Machine Learning, Deep Learning, Model Interpretation, SQL, Flask, Statistical Analysis, Predictive Modeling, Feature Engineering, Data Preprocessing, API, Selenium
- **Programming Languages:** C, C++, Python, HTML, CSS, JavaScript, Verilog, VHDL
- **Project Management Skills:** Project Management, Leadership, Event Management
- **Other Skills:** Model Deployment, Version Control (e.g., Git), Vivado, Vitis
- **Languages:** English (Full Professional Proficiency), Hindi (Full Professional Proficiency)

PERSONAL PROJECTS

Cropvista

- Developed a crop analysis project that predicts suitable crops based on surrounding conditions and soil composition.
- Utilized factors such as nitrogen, phosphorous, potassium levels, rainfall, humidity, and soil pH to determine optimal crops for Indian agriculture.

ACADEMIC AND EXTRACURRICULAR ACHIEVEMENTS

- Winner, NIT Trichy Hackathon "Ingenium" (02/2024)
- Winner, Atrang'23 "Line Chasers" (08/2024)
- Runner, Atrang'23 "ML Runway", "Crash Course"(08/2024)

POSITIONS OF RESPONSIBILITY

- **Indian Institute of Information Technology, Tiruchirappalli**
 - Google Developer Student Club (IIIT Trichy) — Team Lead (09/2024 - Present)
 - Training and Placement Member (05/2024 - Present)
 - Vice Technical Secretary (03/2024 - Present)
 - Aikyam Production Team — College Magazine (04/2023 - Present)
 - Media Club Member — Designing Team (04/2023 - Present)
 - Literary & Debating — Coordinator (01/2023 - Present)