# SUJITH BATTU

(+1) 7208690684 | Sujith.Battu@colorado.edu | Linkedin | Portfolio | Boulder, CO

#### **EDUCATION**

**University of Colorado Boulder** 

Aug 2024 – Present

Masters in Data Science GPA: 3.60 **Delhi Technological University** Aug 2020 – May 2024

Bachelor of Technology, Department of Software Engineering

GPA: 3.70

Related coursework: Statistics, Machine Learning, GIS, Info Viz and Data Ethics, Data Warehousing & Mining.

#### **INTERNSHIPS**

**Data Internship**May 2025 - August 2025

DMEConnected Boulder, USA

• Assisted company's CEO & his marketing team to make decisions on their new product prices & helped with gathering data to make these decisions. Also analyzed the search results on their website to fetch the most demanded products to sell. Made personal analysis visualisations to present them to the stakeholders and investors.

#### Research Trainee - Armed Vehicle Automation link

June 2023 - July 2023

CAIR (Defence Research Organisation of India)

Bangalore, India

• Worked under Scientist-E in ISRD (Intelligence, surveillance & reconnaissance division) dept to find efficient methods to automate armed vehicles using LIDAR sensing using ROS & Autoware.

## **Undergrad Research Assistant link**

June 2023 - Feb 2024

Delhi Technological University

Delhi, India

• Worked in college AI lab under Dr.Rahul (<u>GScholar</u>) to design computerized medical diagnostic system to detect monkeypox.

# **SKILLS**

**Programming** Python, R, SQL

**Technologies** Data Wrangling & Visualisation, Remote Sensing, Machine Learning,

EDA, API's, Tensorflow, Numpy, Pandas, Matplotlib, Spatial Analytics

**Developer Tools** Git, VSCode, Jupyter, ArcGIS, GEE

## RESEARCH PAPERS / CONFERENCE PRESENTATIONS

• Deep Learning Assesment of Monkeypox Detection from Lesion Images (Scopus) link

AIP: "2nd International Conference on Robotics, Automation and Intelligent Computing" May 2024

• Efficient Models for detecting Monkeypox Using Skin Lesion Images (Scopus) link

IEEE: "3rd International Conference on Innovative Mechanisms for Industry Applications" Dec 2023

• Bike Sharing Count Prediction using Machine Learning (UGC) link

IJARESM: "International Journal of All Research Education and Scientific Methods"

May 2023

#### RESEARCH PROJECTS

# Computerized detection system for Monkeypox using Skin Lesions

Nov 2022 - May 2023

Guide: Dr. Rahul, SE - DTU | AI research

- Compared performances of five different CNN models for monkeypox detection upon MSID image dataset.
- Obtained best accuracy among thirty relevant research papers for Resnet 50 in detecting monkeypox among three other diseases.

#### **ACADEMIC PROJECTS**

### Crop recommendation based on soil and weather properties link | Machine Learning | 2025

• The objective of this initiative is to develop an intelligent crop recommendation decision-making system using machine learning algorithms to enable agricultural stakeholders to make the most suitable selection of crops, considering soil profiles, weather patterns, and other environmental conditions

# Unveiling the GameVerse: Insights of Video Game Analysis link | Data Mining | 2024

- This study presents the trends and patterns in the video game industry sourcing and user reviews in SteamDB. **Deepfake Detection System using Neural Networks** | **Deep Learning** | 2023
- Cloned a simple app using CNN to detect deepfake images which are rapidly spreading online.

# **University Application Manager | Software Testing | 2022**

• Built a complete full-stack application manager from scratch to run software testing and performance evaluation metrics ad made a clear report of it.

## Dynamic Portfolio maker | Web Technology | 2022

• Developed a proper MERN stack Portfolio application based on web with multiple features like dynamic placing and customization. Database management and UI/UX is clearly addressed.

#### **CERTIFICATIONS**

Supervised Machine Learning: Regression and Classification linkSeptember 2022Text mining & Analytics linkDecember 2022Process Data from Dirty to Clean linkDecember 2023ArcGIS Certification – In progressAugust 2025

# POSITIONS OF RESPONSIBILITY

- Software tester in technical team of DTU Rocketry.
- Registered IEEE student member and participated in multiple conferences on campus.
- Digital media and photography team lead for one among the India's biggest ENGIFEST.

## **COMMUNITY SERVICE**

Desh Ke Mentor — High school Mentoring Drive	2021-2022
National Service Scheme (NSS) — Helping people below poverty line	2021-2022

#### PERSONAL TRAITS

• I always aim high and work hard to achieve in life with a belief that "Actions speak more than words".

I hereby confirm that the information given above is true to the best of my knowledge.

(SUJITH BATTU) CU Student ID: 111338778