

Sujith Battu

+17208690684 | battusujith2525@gmail.com | Boulder, Colorado, 80303 (Open to relocate)

[linkedin.com/in/battu-sujith](https://www.linkedin.com/in/battu-sujith) | [Portfolio](#)

EDUCATION

University of Colorado, Boulder, Colorado

Master of Science in Data Science

August 2024 – May 2026

GPA: 3.75/4.00

Delhi Technological University, Delhi, India

Bachelor of Technology in Software Engineering

August 2020 – May 2024

GPA: 3.70/4.00

Coursework: Advanced Database Management, Web development, Computer Networks, Statistics, Machine Learning, Operating Systems, Software Engineering, Data Mining.

SKILLS

Languages: Python, R, HTML, CSS, JavaScript, SQL

Developer Tools: Github, Visual Studio Code, Postman, Docker, Wordpress, Microsoft Office, Word, Excel, UML/ERD

Technologies: Bootstrap, PHP, RESTful API, **React.js**, Node.js, Figma, Illustration, **UI/UX**, Google Earth Engine, **Databases**, MySQL, MongoDB, AWS S3, Hadoop, NumPy, **Pandas**, Tensorflow, OpenCV, Machine Learning, Data Analysis, Medical Diagnosis, Research.

WORK EXPERIENCE

Delhi Technological University

Delhi, India

Research Assistant

August 2023 – May 2024

- Conducted research to advance computerized monkeypox diagnosis research and implemented deep learning models like VGG, Resnet on MSID dataset which has 3300 images using Python, TensorFlow and OpenCV and 12% accuracy.
- Performed literature review for understanding the research gaps and participated in 2 international conferences of Industry application and published papers in IEEE & AIP. Later recommended by department for master's abroad.
- Built deep learning models to detect monkeypox with 95% accuracy and optimizing performance for real-world applications.

Center for Artificial Intelligence & Robotics

Bangalore, India

Research Trainee

June 2023 – July 2023

- Enhanced shortest path finding algorithm across 10+ test scenarios, improving sensor data efficiency by 15% using computer vision techniques.
- Programmed Auto-ware for real-time automation, enabling seamless integration of hardware components like Lidars, GPS, Camera & ROS with software's on Linux and gathered the sensor data.
- Tested the implementation of Auto-ware on local machine using Carla as a graphical interface as a research purpose with 100% reliability and reported the analysis to scientists in a 30-page documentation.

SEO Horizon

Delhi, India

Full stack developer Intern

June 2022 – July 2022

- Developed a React web app, integrating machine learning model for detection of five dominant colors in an image which can be uploaded by user.
- Built a responsive UI with React for Israeli client, handling more than 150 daily user requests and improved user engagement by 20%. Finally pushed into git and deployed it on CloudFront server.
- Streamlined backend operations with Node.js, reducing server response time by 30%.

PROJECTS

Land Cover Analysis, Machine Learning Application

- Ongoing predictive modelling project of land cover analysis in the USA.
 - Training the MODIS dataset available on google earth engine with machine learning & image classification models to predict the parameters effecting the use case if a land.
 - Based on these predictions we plan to test on a new dataset and make it applicable to real world scenarios which help realtors as well as the environmental activists to make more enhanced measures to prevent forest land and use the suitable land for real estate purposes.
- Technical Skills: ML, OpenCV, GEE, Geo-Spatial data.

Online Photo Gallery, Full Stack Application (My startup idea which stood as the best startup idea in data mining class)

- Modelled web application which is a knowledge base of all the interesting facts captured in the history of mankind.
 - Gathering these pictures together to reiterate the memories and presenting them to users sharing background and small questions on the incident to make it more interactive. Old is Gold.
- Technical Skills: HTML, CSS, React, NodeJS, MongoDB,

Game Data Analysis:

- Conducted data analysis on video game dataset from SteamDB, using API extraction techniques, then derived more than 12 very useful insights for upcoming game developers and built a Tableau dashboard for businesses.
- Technical Skills: Tableau, API, Data collection and visualizations.