

# Krishanu Srium

Innovative Data Scientist | Tech Enthusiast | Chairperson, VIT Trekking Club

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## EDUCATION

- **Vellore Institute of Technology- Computer Science and Engineering** **CGPA: 9.01**
- **Deeksha CFL - Higher Secondary School (Class XII) - Karnataka State** **Percentage: 99.17%**
- **Mitra Academy - Secondary School (Class X) - ICSE** **Percentage: 96.83%**

## SKILLS

- **Skills:** Data Science | Data Visualization | Data Analysis | Business Intelligence | UI/UX Design | Cloud Computing | Machine Learning | Deep Learning | Web Development | Communication | Management | Git and GitHub
- **Languages:** C | C++ | Python | R | Java | JavaScript
- **Frameworks and Libraries:** NumPy | Pandas | Scikit-Learn | dplyr | tidyverse | ggplot2 | shiny | matplotlib | turtle
- **Tools:** SQL | MS Excel | Power BI | IBM Cognos | Tableau | Adobe XD | Figma | Jira | Asana
- **Course Curriculum:** Data Structures and Algorithms | DBMS | Computer Networks | Operating Systems

## EXPERIENCE

### Chemiasoft Pvt Ltd. - Software Intern

October '23 - November '23

- Enhanced the user experience of the Chemia Electronic Lab Notebook (ELN), resulting in increased user satisfaction and more efficient interactions.
- Implemented multilingual support into Chemia ELN, expanding accessibility and boosting user engagement across various language groups.
- Contributed to project management efforts and team coordination, ensuring timely project delivery and effective collaboration using Project Management Tools like Jira.

**Skills:** UX Design, Project Management Techniques, French

## CERTIFICATIONS

- **IBM Data Science Professional Certificate:** [Certificate Link](#)
- **Google UX Design Specification:** [Certificate Link](#)
- **Amazon AWS Cloud Practitioner:** [Certificate Link](#)

## PROJECTS

### Flight Booking Software Prototype: [Prototype Link](#)

- Created and executed a comprehensive flight booking prototype in **Figma** with flight pricing and airport congestion models using **Flask**.

**Skills and TechStack:** UI/UX Design, Machine Learning, Figma, Pandas, Scikit-Learn, Flask

### Object Detection using YOLO\_V3: [Github Link](#)

- Developed real-time object detection model using YOLO v3 on the COCO dataset.
- Detected 80 object classes with optimised speed and accuracy and integrated OpenCV for efficient processing.

**Skills and TechStack:** Computer Vision, Deep Learning, Image Processing, YOLO v3, Darknet, Tensorflow

### Skin Condition Detector and Predictor: [Github Link](#)

- Built a deep learning model using EfficientNet to classify 10 skin diseases from 27,000 images.
- Enhanced feature extraction using **Python**, **OpenCV**, and **wavelet transforms** for advanced preprocessing and fine-tuned the model with **Tensorflow** after iterative training batches.

**Skills and TechStack:** Pandas, NumPy, Power BI, Data ETL, Dashboarding.

### Sportspersons Image Classification using EfficientNetB0: [Github Link](#)

- Designed and trained a machine learning model for classifying sportspersons' images, achieving a 95% accuracy rate.
- Leveraged **TensorFlow** and **OpenCV** for efficient data preprocessing, model training, and image processing, significantly enhancing classification accuracy.

**Skills and TechStack:** Deep Learning, EfficientNetB0, Keras, Tensorflow, Convolutional Neural Network, Transfer Learning

### Pothole Detection using Compact Convolutional Transformer: [Github Link](#)

- Developed a Pothole Detection System using **Compact Convolutional Transformer** for real-time road analysis.
- Achieved **98% accuracy** with advanced dataset preprocessing and model optimization.

**Skills and TechStack:** Deep Learning, Computer Vision, Python, TensorFlow, PyTorch, OpenCV, Image Processing, Real-time System Deployment.

## LEADERSHIP AND MANAGEMENT

### Chairperson - VIT Trekking Club

January 2024 - Present

- Conducted over 20 events and transformed the club into the largest non-tech club in VIT and generated over 1 Lakh in revenue.

### Event Design Head - iCube 2020