# ANANT SINGH

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## OBJECTIVE

Experienced Data Scientist and Machine Learning professional with over 2 years of experience in developing data-driven solutions. Proficient in Python, SQL, and advanced statistical modeling techniques. Seeking to apply my expertise in data analysis, predictive modeling, and stakeholder engagement in a Data Scientist role at Netflix, contributing to impactful content and business decisions.

## EDUCATION

**Bachelors of Technology**, SRM Institute Of Science and Technology          July 2020 May 2024
Computer Science and Engineering(B.tech) with Cumulative GPA: 9.28/10.0

## SKILLS

**Technical Skills:**
**Languages:** Python, R, SQL, C++, C
**Data & Analytics:** Statistical Modeling, Machine Learning, Deep Learning, Data Analysis
**Technologies:** TensorFlow, PyTorch, NumPy, OpenCV, Tableau, MySQL
**Soft Skills:** Strategic Thinking, Problem-solving, Leadership, Effective Communication, Time Management

## EXPERIENCE

**Research Intern**
**Council of Scientific and Industrial Research (CSIR) – Chennai, Tamil Nadu**          Jan 2024 – June 2024
- Developed robust object detection models using TensorFlow and PyTorch, improving real-world application accuracy.
- Leveraged Python libraries (NumPy, OpenCV, Matplotlib) to enhance model performance and visualization, aligning data-driven insights with business needs.

**Research Intern**
**Samsung PRISM – Chennai, Tamil Nadu**          Mar 2023 – Nov 2023
- Built an AI-based video upscaling model using PyTorch, achieving 80% accuracy with a 50% reduction in processing time, while maintaining color contrast and quality.
- Applied Deep Learning techniques for high-quality frame interpolation, significantly improving visual fidelity and reducing computation time compared to previous models.

**R&D Intern**
**Combat Vehicles Research and Development Establishment (CVRDE)**          Jul 2023 – Sep 2023
- Developed a software solution for simulating object movement within static images, showcasing innovation and technical expertise.
- The develop software create a video of moving object from single image.

## PROJECTS

- **A Unified Framework for Disease and Analgesic Prediction**
  Designed a multidisciplinary healthcare model utilizing KNN, SVM, and Xception for predictive accuracy (87%) in disease identification.

- **Evaluation of Indian EVs using Machine Learning**
  Created a Natural Language Processing (NLP) model to analyze and evaluate electric vehicle performance based on user reviews.

- **Object Detection in Drone Technology**
  Implemented computer vision algorithms for real-time object detection, ensuring safe flight through precise distance calculations.

## CERTIFICATIONS

- Supervised Machine Learning: Regression and Classification – Coursera     Dec 2023 –Jan2024
- Python for Data Science – NPTEL     Jul 2022 – Nov 2022
- Data Structure and Algorithm using Python – NPTEL     Jan 2022 – Mar 2022
- Problem solving through programming in C, NPTEL     Jul 2021 - Oct 2021

## COMPETITIONS & ACTIVITIES

- Defence Hackathon 2022 – SRM Institute of Science and Technology
- SRM DATACON Participant
- Hack-O-Philia Participant