

ANUBHA SINGH

New York | as18806@nyu.edu | 929-689-4628 | [linkedin.com/anubha-s/](https://www.linkedin.com/in/anubha-s/) | anubhasingh.tech

EDUCATION

Master of Science, Computer Engineering, <i>New York University</i> Relevant Courses: Big Data, Machine Learning, Deep Learning	Sept 2023- May 2025 CGPA: 3.5
Diploma in Advanced Deep Learning, <i>Indian Institute of Science</i> Relevant Courses: Voice Conversion using DL, Prompt Engineering	Oct 2022- Aug 2023 CGPA: 8.7
Bachelor of Science, Computer Science, Mathematics and Statistics, <i>BU</i> Relevant Courses: NLP, Software Engineering	July 2019- July 2022 CGPA: 8.3

SKILLS

Programming Languages/ Frameworks: Python, SQL, C, C++, Java, R, JavaScript, HTML, Django, React, Node.js
ML/AI Libraries & Data Tools: TensorFlow, Pandas, PyTorch, NumPy, Matplotlib, Keras, OpenCV, Scikit-learn, Spark, LangChain, MySQL, Hadoop, Dask, Git, Tableau, Power BI, Excel, CI/CD

PROFESSIONAL EXPERIENCE

Software Engineering Intern, <i>Vara</i> <ul style="list-style-type: none">Built a full-stack carbon footprint calculator using React and ClimaTiq API, improving user engagement with the sustainability compliance platform.Developed and deployed a machine learning agent within a large language model (LLM) chatbot using RAG to summarize citations on Amazon SageMaker and Docker.	May 2024 - August 2024
Course Assistant for Data Science, <i>NYU Stern</i> <ul style="list-style-type: none">Guided 100+ students through course material of advanced data science studies and assignments during regular office hours, enhancing their understanding and performance.	September 2023 - May 2024
Digital Strategist, <i>Sakalya Wisdom Foundation</i> <ul style="list-style-type: none">Applied A/B testing and integrated Google Analytics to optimize the Sakalya Wisdom Early Years website, driving a 90% increase in traffic by refining user experiences and improving site performance.Developed and implemented logistic regression models and clustering algorithms to segment user groups, resulting in a 25% improvement in marketing ROI and 10% cost savings through targeted campaigns and optimized budget allocation.	July 2022 – August 2023
Machine Learning Intern, <i>Analysed Variant Labs, UP</i> <ul style="list-style-type: none">Engineered and preprocessed a comprehensive dataset, then trained high-performing machine learning models using Azure ML, achieving 92% accuracy.Designed and deployed a scalable Flask API to integrate the trained model, enabling real-time predictions and seamless application integration.	October 2022- February 2023
Full Stack Developer (Intern), <i>Lean IT India Private Limited</i> <ul style="list-style-type: none">Led a team of 5 while implementing a full-stack fitness website using HTML, CSS, JavaScript, and SQL.Effectuated 5+ features including creating new dietician accounts, scheduling video calls, and storing details in the database.	December 2021- January 2022

PROJECTS

Virtual Study Space, <i>Flutter, Dart, Google Firebase</i> [github] <ul style="list-style-type: none">Developed real-time task management and collaboration features, as well as seamless PDF upload and secure storage using Firestore, allowing users to create, track, and update tasks, upload study materials, and access them across devices, enhancing productivity and teamwork.Built a secure authentication system using Firestore Authentication and designed a responsive, user-friendly UI/UX with Flutter, ensuring secure login, data protection, and an intuitive experience across both mobile and web platforms.
ResNet, <i>CNN, Python, PyTorch, ResNet, CIFAR-10</i> [github] <ul style="list-style-type: none">Attained a 95.01% test accuracy on CIFAR-10 dataset with a custom-built ResNet model, meticulously fine-tuned through extensive data augmentation, optimizer variation, and learning rate strategies.Employed methods like grid search and cross validation for fine tuning the hyperparameters
Recommendation Model, <i>Python, Spark</i> [report] <ul style="list-style-type: none">Achieved a Validation mAP of 0.0464 on the MovieLens dataset by developing a collaborative filtering recommendation model using Spark's ALS algorithm.Conducted parameter tuning and data preprocessing, user filtering and duplication removal, to optimize performance.
Classification and Deployment, <i>MobileNet V2, TensorFlow, Kubernetes</i> <ul style="list-style-type: none">Improved food classification accuracy to 85.34% using MobileNet V2 architecture, reducing memory footprint.Implemented advanced training methods like layer unfreezing and callback functions for robust performance.