

EDUCATION

- **SRM University** Chennai, India
Bachelor of Technology in Computer Science; CGPA: 9.38/10.0 *Jul. 2018 – June. 2022*
- **Dewan Public School** Meerut, India
XII Standard Science; CGPA: 9.1/10.0 *Apr. 2017 – Mar. 2018*

EXPERIENCE

- **ZS Associates** New Delhi, India
Business Technology Solutions Associate Intern *Feb 2022 - Jul 2022*
 - **KPI Dashboard:** Maintained end-to-end undocumented Pharma Client KPI Dashboard by performing daily **ETL** processes. Enhanced the developer productivity by documenting flask API backend codebase and creating SOPs.
 - **Production Support:** Handled clients' frequent technical requests over the production system and delivered prompt solutions alongside managing database of ~ **16,000** users on daily basis.
- **SRMSAT(Satellite Club)** SRMIST, India
On-Board Computers Member *Sept. 2019 - Jul. 2020*
 - **Attitude Determination and Control System:** Authored Attitude Determination Algorithm (QUEST) which aids to orient satellite in reference to star tracker, sun tracker, and magnetometer in C++.
 - **System Programming:** Explored about Real Time Operating Systems(RTOS), Kernels, System Designing, etc and methods for robustness and availability of the system. Experimented with end devices communication via Micro-Controller with the help of Arduino Programming.
- **Camber Racing(F1 Racing Club)** SRMIST, India
Autonomous Driving Team *Oct. 2018 - Mar 2019*
 - **Data Curation:** Formulated the dataset for autonomous vehicle movement which consists of attributes like direction, speed, turning angle, etc using a prototype RC car. Manually annotated 3000 images for training.
 - **Machine Learning:** Explored Machine Learning algorithms like Naive Bayes, SVM, XGBoost, etc, and scientific computing library of NumPy.

PROJECTS

- **Image Captioning:** Seq-to-Seq Deep-Learning model which captions the context of image in English language. It uses ResNet-18 to encode the Image to feature vectors and LSTM to decode them to Natural Language.
- **Heap Memory Manager:** Implemented from scratch the malloc() and free() APIs in C++ for Linux OS. Developed understanding of system programming and dynamic memory allocation.
- **qBit: Mobile Chat App:** Cross-Platform Chat Application developed using Flutter framework that uses Firebase authentication and Firestore database. Provider package is used for State-Management along with push-notifications.

PUBLICATIONS

Priyam Garg, Sanka Karthik, Annie R. Uthra. (2022).”Constrastive Curriculum Augmentation Framework for Self-Supervised Learning”. International Journal of Soft Computing and Artificial Intelligence (IJSCAI), pp. 5-9, Volume-10,Issue-1. Paper Code

SKILLS

- **Technologies:** Flutter, PyTorch, Trax, Flask, TensorFlow, Excel, Git, Linux, Vim, Google Firebase
- **Languages:** Python, C++, Golang, Arduino, SQL, PostgreSQL, Julia, Latex
- **Machine Learning:** Self-Supervised Learning, Curriculum Learning, Data Augmentation, Computer Vision, NLP, Deep Learning, Explainable AI, Reinforcement Learning(basic)
- **System Design:** System Designing, Design Patterns, SOLID Principles