

# TANAY AGARWAL

Software Engineer | Full Stack Developer | AI Enthusiast | UI/UX Developer

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## EXPERIENCE

**Software Engineer** Jun 2020 - Ongoing  
**Volante Technologies**

- Developed Volante Studio Components using Java Swing, a software to automate Volpay Development (Inhouse Payment engine).
- Integrated Volbase (Inhouse Payment Framework) with CockroachDB
- Support to Various Product Implementation Teams and Clients consuming Volante Studio and Volbase

## PROJECTS

**Fantasy League Line-up Predictor**

Major Project

A Deep Learning Model that predicts the best Starting Line-up for any Fantasy League (IPL, NBA, NFL) based on the players history and current trends in the league. The model is trained on data collected and refactored from the websites of the respective Fantasy Leagues.

**Número**

Side Project

A flutter application that allows the user to draw handwritten numbers, which is sent to a Neural Network designed using Tensorflow and Keras, that predicts and returns the result back to the console. The model is trained on MNIST Dataset.

**Image Classification**

Side Project

An Image Recognition RESTful API using Tensorflow and Deep Learning, wrapped in a Docker Image. The API takes in an image from the URL and predicts the image with the help of Inception V3 model.

**Shop Clan**

Minor Project

An e-Commerce Website using NodeJS, Angular, MongoDB and AJAX for Freelancers to connect to their clients and market their existing products with payment processing carried out using Stripe API.

## EDUCATION

**SRM Institute of Science and Technology, Chennai** 2016 - 2020

B.Tech – Computer Science and Engineering – **93.5%**

**Sindhi Model Senior Secondary School, Chennai**

Class XII (CBSE) – **95.6%** 2015 – 2016

**Sindhi Model Senior Secondary School, Chennai**

Class X (CBSE): CGPA: **9.4/10.0** 2013 - 2014

## COURSES & CERTIFICATION

- The Complete 2020 Web Development Bootcamp
- Master Digital Product Design UI & UX Design
- Practical First Steps with CockroachDB
- C Programming – Expert Level, SRM CARE
- Design and Analysis of Algorithms, NPTEL
- Artificial Intelligence – Deep Learning, Udemy
- NodeJS and Express with MongoDB, Udemy

## SKILLS

**Programming:** C, C++, Java, Python, Swift, Dart, Go

**Web Technologies:** PHP, HTML/CSS, Bootstrap, Node.js, Express, React, Angular, Flask, Django

**Other Technologies:** Flutter, ActiveMQ, Zookeeper, Kafka, CockroachDB, HSQL, Mongo, Cassandra

**Software:** Photoshop, Illustrator, InDesign, Adobe XD, VS Code, Android Studio, Xcode

**Languages:** English, Hindi, Tamil, German (A2)

## CO-CURRICULAR

- VICE - PRESIDENT of ACE Club
- SECRETARY of Design and Innovation Club
- Captain of department and college Basketball team
- Writer, Editor and Designer of Department Newsletter (#include<newsletter.h>)
- Public Speaking/Emcee at various events.
- School Head Boy, House Captain and Cultural Secretary

## PUBLICATION

Unsupervised Learning Approach to Compete in Fantasy Leagues.

[jetir.org/papers/JETIRDV06014](https://jetir.org/papers/JETIRDV06014)