

Saif Gazali

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EDUCATION

VIT UNIVERSITY

B.Tech. IN COMPUTER
SCIENCE

CGPA: 9.07/10.0
Chennai, India | May 2020

ST.XAVIERS COLLEGE

Higher Secondary Certificate
(HSC)

CGPA: 7.78/10.0
Bombay, India | May 2016

NEW ENGLISH SCHOOL

Secondary School Certificate
(SSC)

CGPA: 9.06/10.0
Bombay, India | May 2014

SKILLS

Python • Java • SQL • Deep
Learning • Data structures

RELEVANT COURSEWORK

Data Structures and Algorithms
Problem Solving with Python
Programming
Operating System
Database Management System
Machine Learning
Java Programming
Data Visualization
Statistics
Linear Algebra

ACHIEVEMENTS

Technical Answers to Real World Problem

Won 1st prize in the TARP
Hackathon. Made a smart waste
disposal system which included
blockchain verification system.

International Language Day

Won 2nd Prize in the International
Language Day Hackathon. Made a
French learning app on Android
Studio.

EXPERIENCE

MENTOR GRAPHICS | SOFTWARE ENGINEER

July 2020 – Present | Hyderabad, India

- Improved common actions of the tool using the concept of Multithreading, Java thread pool, optimal resource sharing and caching by around 30-40% on large scale customer projects.

MENTOR GRAPHICS | SOFTWARE ENGINEER INTERN

December 2019 – June 2020 | Hyderabad, India

- Optimized the SQL queries in order to have faster lookups and getting the data from the DB efficiently. Improved the performance and the responsiveness of the system by around 20% for certain queries.

PROJECTS

IMAGE-TO-IMAGE TRANSLATION USING PIX2PIX GAN

- Implemented the Pix2Pix GAN model to translate Satellite images to Google map images achieving an average Frechet Inception distance of 5.06. [Blog.](#)

MNIST HANDWRITTEN DIGITS GENERATION USING DIFFERENT GANS

- Generated MNIST Handwritten digits using GANS such as Semi-Supervised GAN, Auxiliary GAN, Conditional GAN and DCGAN. Semi-Supervised GAN generated the most plausible images and its classifier model achieved 94% validation accuracy. [Blog.](#)

NEURAL LANGUAGE MODELING USING GLOVE AND LSTM

- Implemented a word-based and character-based neural language model using GLOVE embeddings and LSTM on 335 Brexit news articles which were acquired by scraping Yahoo news website. [Blog.](#)

IMAGE CAPTIONING FOR FLICKR-8K DATASET

- Implemented a model which generates descriptions for an image using VGG16 which is model trained on ImageNet dataset achieving a loss value of 1.5987 and generated captions using Beam search as well as traditional Greedy search algorithm. [Blog.](#)

RESEARCH PAPERS

Custom Block Chain Based Cyber Physical System for Solid Waste Management

[Procedia Computer Science, Volume 165, 2019, Pages 41-49, ISSN 1877-0509.](#)

Forecasting Election Data Using Regression Models and Sentimental Analysis

[Advances in Smart Grid Technology. Lecture Notes in Electrical Engineering, vol 688. Springer, Singapore.](#)