

Samarth G Vasist

Developer | Programmer | Coder

A computer science undergrad highly interested in Problem Solving and Software Development. An avid learner with fast adaptability to latest tools and technologies.



samarthgvashist2000@gmail.com ✉

9986833869 📞

Bangalore, India 📍

linkedin.com/in/samarth-g-vasist-9b5566170 in

github.com/SamarthGVasist 🐙

EDUCATION

B.Tech - Computer Science and Engineering

PES University, Bangalore

06/2018 - Present

CGPA 9.69

Pre-University

Jain College, Bangalore

06/2016 - 06/2018

98.67

Schooling

Carmel School, Bangalore

07/2006 - 06/2016

99.36

WORK EXPERIENCE

Software Development Intern

SAP Labs India

05/2021 - 07/2021

- Developed a bot in Flask Python inorder to verify programme management requirements by integrating GitHub and Jira.
- The entire application was dockerised and run on gardener kubernetes cluster.

Student Intern

KSP Talent Grooming Programme

01/2020 - 04/2020

- Developed the official website template for the 30 districts of Karnataka.
- Tools: Front End Libraries, Javascript, PHP, MySQL and Firebase.

Subject Matter Expert

PESU I/O, PES University

08/2019 - 10/2019

- Subject Matter Expert for the course Full - Stack Web Development.
- Taught and guided 25 students with HTML,CSS, Javascript and Flask framework of Python.

Research Intern

CDSAML, PES University

06/2019 - 07/2019

- Built deep learning models for stylised image captioning using InceptionV3, Resnet as CNN and LSTM, GRU as RNN decoders.
- Comparative study by varying the layers in the decoder and implementing an attention layer to get improved results.
- Tools: Python, Keras, Tensorflow, CUDA, Google Colabs and Flask

SKILLS

C

C++

Python

HTML/CSS

Javascript

PHP

ReactJS

Flask

Django

MySQL

Docker

Machine Learning

Leadership

PROJECTS

DeepTunes

- Facial Emotion Recognition to predict the emotion from facial expressions.
- Generation of music and lyrics corresponding to the emotion of the person predicted by our model.

Automated Agents for Machine Ethics

- Developed the PES Moral Machine website to collect responses in order to guide self-driving cars to make ethical decisions followed by analysis and comparison of the obtained results with the MIT dataset results.

Chat Application

- Fully functional chat application built using ReactJS, materialUI, Cloud Firestore for data storage and Firebase authentication.

Face Recognition and Eye Pupil Detection

- Used OpenCV of Python for face recognition and eye pupil detection as a part of driver drowsiness detection to prevent vehicle accidents.

PUBLICATION

Stylized Image Captioning Using Deep Learning Models

In the proceedings of the International Conference on 'Recent Trends in Computer Science and Information Technology' - June 2020 conducted online.

ACHIEVEMENTS

CNR Rao Scholarship

among the top 20 percent of SGPA holders for all semesters.

GFG | Leetcode

Currently 7th rank in the institute on geeksforgeeks platform and solved over 350 problems on leetcode.

Hackathons

Finished among top 10 and top 5 in Police hackathon and JU hackathon respectively.

KCET | PESSAT

secured 127th rank in Common Entrance Test for Engineering and AIR 49 in Pessat Exam.

INTERESTS

Full Stack Development

Data Science