

**AYUSH SHARMA**Course : **B.E. (Hons.)**, Electronics and Communication Engineering, 2023

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CGPA : 9.2

**ACADEMIC DETAILS**

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	SCIENCE	Cambridge School Srinivasपुरi	CBSE	94.2 %	2019
CLASS X		Cambridge School Srinivasपुरi	CBSE	10 CGPA	2017

Subjects / Electives	Neural Network and Deep Learning (Coursera), Elements of Data Science (Amazon), Android Development (beginner + intermediate), Data Structures and Algorithms (GFG)
Technical Proficiency	Deep Learning, Visual Studio Code, Android Development, C++ Language, Firebase, Algorithms, Machine Learning, Data Structures, PhotoshopCS4

SUMMER INTERNSHIP / WORK EXPERIENCE**Android Developer, Cavadium****May 2020 - Apr 2021**

The company is a group of developers that fulfill the software needs of their clients. The projects included 2 full android application front end development and 1 website design for a Gym Management company. It also include the designing of an e-commerce app for the same client.

Research Intern, Indian Institute of Remote Sensing**Jun 2021 - Jul 2021**

The project focuses on segmentation of google Earth Engine satellite images for the classification of crops via improvised UNet. The project had 4 people and was headed by Dr Hari Srivastava from IIRS and guided by Dr Manish Bhatt, our PS faculty.

PROJECTS**Segrify - Learn Waste Management - Android Development****Mar 2021 - Apr 2021**

This project was taken under Dr Shubangi Gawali of the CS dept as a study oriented project.

Techstack; Android Studio (Java), Firebase

- The aim of the application is to make children and people in rural areas aware about proper waste segregation, through an interactive quiz based interface.
- playstore link: <https://play.google.com/store/apps/details?id=com.rivij14.quizapp>

DoubtFire - Android Development**Dec 2019 - Jan 2020**

Techstack: Android Studio(java), Firebase Storage, Firebase RTDB

The application provides a platform to students where they can upload their academic doubts (Subject, doubt and an optional photograph).

This is then visible to all users of the app, and they can reply to the post (text and/or image) to clear the doubt.

Github link: <https://github.com/ayush-sharma2601/DoubtFire>

Blind Joint Deconvolution of Medical Images of various Frequencies - Machine Learning and Image Processing**Jul 2021 - Present**

The premise of the project lies on a model that uses blind deconvolution to estimate the Tissue Reflectivity Function of ultrasound images. The project is headed by Dr Jayaprakash at the IISc. The purpose of this project is to extend the model to work on images apart from ultrasound, containing various data fidelity terms.

VOLUNTEER EXPERIENCE**Quark Summerterm Technical Projects - Role: Mentor | Cause: Education****Jul 2021 - Aug 2021**

Working as a mentor for one of the courses being taught, includes making the curriculum, collecting and distributing materials, giving evaluative components and clearing doubts.

Inner Wheel Club of Vasco-Da-Gama - Role: Android Developer | Cause: Social Services**Aug 2019 - Dec 2019**

The experience included development of applications that would help in convenient organisation of Art Competitions. This includes app for users to organise, register for and participate in competitions, and for the club to host and judge them

github link for admin app: https://github.com/ayush-sharma2601/Event_Management_Admin

AWARDS AND RECOGNITIONS**Merit Scholarship | Birla Institute of Technology and Science****May 2021**

Merit Scholarship for Semester 1 of year 2020-2021, for getting a sgpa of 9.60.

EXTRA CURRICULAR ACTIVITIES**Badminton****LANGUAGES KNOWN****Hindi, English**