KAUSTUBH DWIVEDI

Course : **M.Sc. (Hons.)**, Physics and **B.E. (Hons.)**, Computer Science, 2022
Email : f20170615@pilani.bits-pilani.ac.in
Mobile : 9636948333
CGPA : 8.21

ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	PCM+Computer Science+English	City Montessori School	CISCE	95.25 %	2017
CLASS X	English+HCG+Science+Computer Science+Hindi	City Montessori School	CISCE	95.2 %	2015

SUMMER INTERNSHIP / WORK EXPERIENCE

Software Development Intern, Helix Tech.   May 2019 - Jul 2019
- Worked on Papercrunch, an android application which is currently being used as the primary tutorial application by the company
- Developed fully functional RESTful APIs that provide a robust and secure backend for Papercrunch using Django framework
- Implemented a Playground feature to support interactive learning by providing an IDE to compile self written code on the application

Subjects / Electives	Data Structures and Algorithm, Object Oriented Programming, Database System, Operating System, Neural Networks and Fuzzy Logic, Pattern Recognition, Computer Programming
Technical Proficiency	C++, Java, SQL, Python, C Programming, HTML + CSS, Django

PROJECTS

Plant Disease Recognition - Neural Networks   Jul 2020 - Present
- Working on an image classifier to perform plant disease detection and diagnosis using leaves images of healthy and diseased plants
- Training Convolutional Neural Network models using a database containing a combination of 58 different {plant,disease} combinations

Academic Projects - Java, Full-Stack Development   Aug 2018 - Jul 2019
- Designed multi-threaded Tambola game for variable number of automated Players using Java and Object Oriented Programming
- Designed a dashboard for the Startup India website for the department of Industrial Policy and Promotion during the SIH 2019
- Introduced many young learners to coding by developing the content and backend of Papercrunch, an online tutorial application

AWARDS AND RECOGNITIONS

Smart India Hackathon | Indian Ministry of Human Resource Development.   Feb 2019
- Awarded the first position nationwide in the second edition of the hackathon conducted by MHRD
- Enabled Department of Industrial Policy and Promotion to effectively monitor the progress of #startupindia by designing a web portal
- Provided a convenient platform for government organizations working for #startupindia by developing the backend of an android app

Lawless Quiz | APOGEE   Mar 2019
- 1st runner up at the science and aptitude quiz competing with over 40 participating teams across 3 rounds

POSITION OF RESPONSIBILITY

Coordinator - Film Making Club, BITS Pilani   May 2019 - Dec 2019
- Accelerated youtube and instagram content generation by delegating responsibility amongst a 3-tier team of 34 film-making enthusiasts
- Generated a total viewership of over 250K, heading the shooting, editing and release of 7 videos on youtube

Joint APOGEE Coordinator - Physics Association   Jul 2019 - May 2020
- Organized several Physics demonstrations and talks throughout the year, delegating a 3-tier team of 21 members.
- Collaborated with E-Cell, IIT Kharagpur to organize a 2 day workshop on Nanoparticles with over 50 participants.

VOLUNTEER EXPERIENCE

NSS BITS Pilani - Role: Volunteer | Cause: Education   Aug 2017 - May 2018
Taught underprivileged children living in the underdeveloped areas around the campus basic English skills, Science and Mathematics

LANGUAGES KNOWN

English, Hindi

EXTRA CURRICULAR ACTIVITIES

Film Making, Lawn Tennis, Story Writing