

## EDUCATION

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### Birla Institute of Technology and Science, Pilani

B.E. (Hons.) in Computer Science, GPA: 9.03/10

Goa, IN

2018–2022

## PROJECTS

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- **Predicting COVID-19 in India using Machine Learning** April 2021
  - Compiled, cleaned and visualized data from 4 sources, and 25 different features to create the dataset
  - Tested over 5 machine (LR, ARIMA, HMM) and deep learning (LSTM, Seq2Seq) models against the second wave of the disease.
  - Analyzed the impact of 10% reduction in mobility on the number of cases using Linear Regression.
- **Rasoe: What am I eating?** August 2020
  - PyTorch Global Summer Hackathon 2020 Runner Up
  - Developed an Android application that can recognize over 300 varieties food, and give links to recipes using an API call.
  - Fine-tuned a pre-trained model in PyTorch on the Food-101 dataset.
  - Deployed the model on the Android framework using TorchScript.
- **TwoFace: An newer, easier authentication system** November 2019
  - 2nd Runner ups in Microsoft code.fun.do++
  - Built an Ionic + Loopback application that uses face-verification as its login component.
  - Integrated the Microsoft FaceAPI into the application to recognize, save, and verify faces.

## EXPERIENCE

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### Apple

Software Engineer Intern (*Current*)

Bengaluru, IN

Jan 2022–June 2022

### Microsoft

Software Engineer Intern

Hyderabad, IN

May 2021–July 2021

- Worked with the Windows Defender team on a Chrome extension (>40k downloads) for Data Leak Prevention.
- Introduced a new feature to inform users about the sensitivity of a document.

### Microsoft

Software Engineer Intern

Bengaluru, IN

May 2020–July 2020

- Analyzed the business usage of the Microsoft Bookings platform to estimate the real usage of the product.
- Consolidated data of 2 million users per month used for improving user experience.
- Identified and added 4 missing datapoints across the website in ReactJS.
- Built 3 dashboards to track telemetry and API events in the Bookings platform.

## TEACHING

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- **Student Course Mentor** at BITS Pilani Fall 2021  
*Deep Learning (CS F245)*
- **Technical Instructor** at CTE, BITS Pilani 2020–2021  
*Introduction to Data Analysis with Python*
  - Taught basic Python to over 50 Biotech students as a CTE Instructor.
  - Additionally covered numpy, pandas and matplotlib for data processing and visualization
- **Student Teaching Assistant** at BITS Pilani Fall 2021  
*Computer Architecture (CS F342)*
- **Student Teaching Assistant** at BITS Pilani Summer 2021  
*Microprocessors and Interfacing (CS F241)*

## CERTIFICATIONS

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- **Deep Learning Specialization**  
deeplearning.ai on Coursera
- **TensorFlow In Practice**  
deeplearning.ai on Coursera
- **Data Analysis with Python: Zero to Pandas**  
jovian.ai
- **Advent of Cyber 2020**  
TryHackMe
- **OpenVINO Fundamental Course**  
Intel IoT Edge AI Scholarship
- **Web Design for Everybody**  
University of Michigan

## SKILLS

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- **Programming:** Python, C/C++, Swift
- **ML:** PyTorch, TensorFlow, Keras, W&B
- **Tools/Techs:** Git/Github, L<sup>A</sup>T<sub>E</sub>X
- **Web:** HTML/CSS, React, JavaScript

## COURSEWORK

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- **Data Science:** Artificial Intelligence, Machine Learning, Natural Language Processing
- **Computer Science:** Data Structures and Algorithms, Operating Systems, Computer Networks, Database Management Systems

## SCHOLARSHIPS AND AWARDS

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- Selected to participate at the **Research Week with Google** 2022
- Participated in **Microsoft Research India Academic Research Summit** 2020
- **PyTorch Global Summer Hackathon 2020** Runner Up's for Rasoe 2020
- **Intel IoT Edge AI Scholarship** recipient 2020
- 2<sup>nd</sup> Runner ups in **Microsoft code.fun.do++** for TwoFace 2019

## VOLUNTEERING & MENTORING

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- Web Developer at Indian Red Cross Society Summer 2020  
*Volunteered to develop a website for the IRCS Mumbai Blood Bank, used by partner organizations for the External Quality Assessment System.*
- Mentor at Peer Mentorship Programme 2019–2020  
*Mentored newcomer Bachelor students, gave a campus tour and aided them in planning coursework.*