



## HRITISH JAIN

Course : **B.E. (Hons.)**, Electrical & Electronics, 2023

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CGPA : 8.7



### ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	SCIENCE	AVMD INSTITUTE VILL SAWAI ETMADPUR AGRA UP	CBSE	89 %	2019
CLASS X		St. Peter's College, Agra	ICSE	95.67 %	2017

Subjects / Electives	Computer Programming, Discrete Mathematics
Technical Proficiency	C++, HTML + CSS, React.js, Debugging Code

### SUMMER INTERNSHIP / WORK EXPERIENCE

#### Software Engineering Intern, Supra Oncology

Oct 2021 - Present

- Working towards providing healthcare solutions to cancer patients using data.

#### Software Development Intern, Sawo

Jun 2021 - Present

- SAWO is a product-based company that develops passwordless authentication packages for different packages. Our initial target was to create developer documentation for their SDK for different frameworks.
- Our next target was to create sample applications for React, VUE, Angular, Flask, Django and Flutter and integrate the SAWO SDK in them. These applications were used as user guides to get accustomed to the product.
- There was an increase in product adoption rate by 12% from the month without the documentations. User feedback and retention rate also improved significantly.

### PROJECTS

#### Remote Sensing and Economic Indicators - Machine Learning and Python Scripting

Jan 2021 - Jul 2021

- Using remotely sensed data like Nightlight and Positional data through satellite and aerial imagery, we predicted the scale of critical events like COVID-19 on economies of various countries.
- Tools and datasets- SHRUG open data tool, USGS Earth Explorer Tool and Google Earth were some of the datasets we explored. Deep Learning frameworks such as CNN/LSTM/ResNet were used for modelling.
- Methodology- The validity of the model is examined by using the year 2019 as holdout and then training the model on data for the period 2014-18. We saw that the model makes reasonably accurate predictions given the nightlight values and its positional information (latitude and longitude) and can be scaled up and applied to other regions and economies
- Future developments- We can add various other remotely sensed economic indicators like forest cover and rooftops to make the GDP estimates even more accurate.

### POSITION OF RESPONSIBILITY

#### Secretary - ACM BITS Hyderabad Chapter

Jul 2021 - Present

- Innovative summer projects and boot camps were organized and speakers from various sub-fields of computer sciences were invited to share their invaluable experiences with budding engineers and researchers.

#### Speaker Research Head - TEDx BITS Hyderabad

May 2021 - Present

- Raised awareness towards acceptance of diversity, irrespective of caste, color, race or sexuality.
- Invited innovators working towards sustainable development and those working on revolutionary ideas to inculcate and create an atmosphere of invention and innovation.
- The speaker lineup was greatly appreciated and gathered the highest ticket sales ever in the history of TEDx BITS Pilani.

### AWARDS AND RECOGNITIONS

### CERTIFICATIONS

CERTIFICATION	CERTIFYING AUTHORITY	DESCRIPTION
Introduction to Augmented Reality and ARCore	Coursera	<ul style="list-style-type: none"><li>This course provided great insights to the immense potential that Augmented Reality has.</li><li>Introduced us to the hardware necessary for AR and the natural principles used in augmenting your surroundings with a virtual object.</li><li>Used Google's ARCore during the course</li></ul>

### VOLUNTEER EXPERIENCE

Entrepreneurship Cell, BITS Hyderabad - Role: Senior Executive | Cause: Economic Empowerment

Nov 2019 - Dec 2020

- Co-founded an e-commerce platform that upheld the notion of local for vocal. We hoped to bring a massive change in the lives of the small shopkeepers, service providers, and the mass community engaged in any small business by creating a virtual store, equipping them with the tools to be self-sustainable.
- Created an application from scratch and got more than 1000 daily users and more than 50 shopkeepers registered with us.
- With increased dependency on platforms like Amazon and Flipkart, our virtual store helped the local businesses to have a source of income even in the toughest periods like lockdowns and pandemics.