

SWAGATA BORUAH

FEMALE, 21

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EDUCATION

B. TECH (ELECTRONICS AND COMPUTR ENGINEERING)	2017-20	Vellore Institute of Technology	8.54/10 CGPA	-
AISSCE/ISCE (Class XII)	2017	Name of school, City	84%	-
AISCE/ICSE (Class X)	2015	Name of school, City	10/10 CGPA	-

INTERSHIP/S

Research Intern, **Centre of Cyber Physical Systems**, VIT Chennai

June 2021 – July 2021

- Built a custom Deep Learning Model for early detection of Diabetic Retinopathy using fundus images.
 - Achieved an accuracy of 91% and AUC of 95%, outperforming existing models by 10%.

Digital Marketing Intern, **Edvicer**, Remote

March 2021 – June 2021

Online course aggregator platform

- Responsible for content creation/design and managing social media handles.
 - Lead to 13.5% increase in engagement, 22.3% increase in impressions and 2.11% increase in CTR.

ACADEMIC PROJECTS

- Customer segmentation for a telecommunication company using Python:** Main aim was to build a predictive model using clustering techniques on the Orange Telecom's Churn Dataset; Responsible for analyzing and cleaning the data; the highest churn rate was analyzed state-wise, there were strong co-relations between total charges and churn-rates and introduction of more affordable alternatives were recommended.
- Sales data analysis using Pivot Tables:** Main aim was to analyze 3 year sales data of a sports equipment company; consolidated each year's data and used pivot tables in excel to analyze this data.
- Market Basket Analysis:** The objective was to analyze an online retail company's data; Prepared the data by removing spaces, removing NA and removing columns; Generated rule tables for market basket analysis using apriori algorithm
- Plant disease detection using Deep Learning:** Used pre-trained models to predict plant diseases using plant leaf image dataset. Achieved an accuracy of 98% using DenseNet201 architecture.
- Custom deep learning model for Diabetic Retinopathy detection:** Built a custom deep learning model using transfer learning. Achieved an accuracy of 91%.

ACADEMIC ACHIEVEMENTS AND AWARDS

- Awarded the award of merit in All India Secondary Examination by SBOA School & Junior College, 2016
- Placed among top 10% scorers, 43rd National Mathematics Talent Contest, The association of mathematics teachers of India, Jan 2011.

POSITIONS OF RESPONSIBILITY

- As **President, Novel Nation Org**, Initiative of DCKAP to promote reading and writing.
 - Leading a community of 50 members working towards spreading awareness about education and establishing a system for free libraries cross India.
 - Responsible for organizing and coordinating events (Webinars, Interviews, Competitions etc.)
- As **Committee Head, National Service Scheme (NSS), VIT Chennai**
 - Responsible for organizing events such as donation drives, webinars, competitions etc.
 - Organized Covid-19 awareness related webinars for the college students.
- As **Coordinator (Technical Treasure Hunt) for TechnoVIT 2019**- inter-college tech festival
 - Planned and coordinated the event (including marketing and promotion)

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Trained Classical Dancer, participated in the Guinness world attempt for the largest dance recital of 2200 classical dancers, Bharatha Munivar Holy Tribute dance festival, 2013
- Placed among top 10% scorers, 43rd National Mathematics Talent Contest, The association of mathematics teachers of India, Jan 2011.

CERTIFICATIONS

- Market Research and Consumer Behavior, IE Business School, Coursera, Nov 2020
- Data Visualization and communication using Tableau, Duke University, Coursera, Nov 2020
- Applied Machine Learning in Python, University of Michigan, Coursera, Sep 2020