SWAGATA BORUAH

Email: swagata.boruah2018@vitstudent.ac.in
Phone: +91 6383873176

EDUCATIONAL TRAINING

- B. Tech in Electronics and Computer engineering VIT university, Chennai   CGPA – 8.54/10   Mar' 22
- 12th Grade, Chennai Public School, Chennai   CGPA – 84%   Mar' 18
- 10th Grade, S.B.O.A School & Junior college, Chennai   CGPA – 10/10   Mar' 16

INTERNSHIP/S

- Research Intern, Centre of Cyber Physical Systems, VIT Chennai   Jun' 21 – Jul' 21
  - 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%.
  - Research article submitted to Neurocomputing (SCOPUS index)

- Digital Marketing Intern, Edvicer - Online course aggregator platform   Mar' 21 – Jun' 21
  - Responsible for content creation/design and managing social media handles/ graphics designing.
  - Lead to 13.5% increase in engagement, 22.3% increase in impressions and 2.11% increase in CTR

PROJECTS

Custom deep learning model for classification of Diabetic Retinopathy
- The objective was to develop a custom Deep Learning model for the detecting DR.
- Used Gaussian blur filter for images enhancement and maximum accuracy achieved was 91%

Customer segmentation analysis for a telecommunication company
- The objective was to perform customer segmentation analysis on a telecom company's customer data
- Data was preprocessed and analyzed using Tableau and Python.
- Clustering methods was used for segmentation

Developed a database to analyze and visualize hotel booking data
- Used SQL server to build and analyze the dataset
- Visualize the dataset for useful insights

CERTIFICATIONS

- Data Visualization and communication using Tableau, Duke University, Coursera
- Market Research and Consumer Behavior, IE Business School, Coursera
- Convolutional Neural Networks Tensorflow, Deeplearning.ai, Coursera

EXTRA-CURRICULAR ACTIVITIES

- Committee Head, Novel Nation community under National Service Scheme: organized debates, interviews, donation drives and book quizzes, Jun 2020 - Present.
- Volunteer, TechnoVIT 2019, organized three events, coordinated marketing activities.
- Trained Classical Dancer (Bharatnatyam)

SKILLS

Technical: Machine Learning, Data analysis, C++, Python, SQL, Tableau, Power point
Other: Leadership, communication, analytical writing, problem solving.

LANGUAGES

English, Hindi, Assamese