ANSHITA VIJAYVARGIYA

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electrical Engineering IIT (BHU), Varanasi	9.25	2022

Sem I	Sem II	Sem III	Sem IV	Sem V	Sem VI	Sem VII	Sem VIII
8.61	9.10	9.22	10.00	-	-	-	-

RBSE (XII)	IMPULSE SENIOR SECONDARY SCHOOL	97.60	2017
RBSE (X)	ARADHANA PUBLIC SCHOOL	96.50	2015

SKILLS

Languages C, C++, JavaScript, Python
Tools Html, CSS, Bootstrap, OpenCv, Numpy, Pandas, Matplotlib, Tensorflow & keras, Data structures and Algorithms
Interest Areas Data Structures and Algorithms, Object Oriented programming, Web Development, Machine learning, Deep learning

PROJECTS

Handwritten Captcha Recognition using ML
march 2020-April 2020

Mosaic (UDYAM ' 20)

Tool used Python, CNN, Opencv, matplotlib, Pandas, numpy, neural network
* Designed a Captcha Solver of Handwritten Captcha using convolutional neural network .
* Extracted the characters from datasets then recognized the letters from captcha using
opencv and contours processing and used CNN to calculate the loss and accuracy.

Microsoft Engage 2020
June 2020 - July 2020

PATH FINDING VISUALIZER (NAVIGATE THE MARS ROVER)
Tool used Html, CSS, JavaScript
Algorithms A-star ,Dijkstra, BFS, Best first search ,Bidirectional and weighted as well .
* Designed a Web Application to **find shortest distance between two points** while
avoiding the obstacles on the way and solved the maze problem too using graph
algorithms like A-star, Dijkstra, BFS etc.

Movie Recommendation System

Tech used Data visualization, Data cleaning, Creative
feature engineering , Advance Pandas,
* Build recommendation system that provides suggestions to the users through a filtering process that is
based on user preferences and Search history.
* Predict and recommend the most similar movies based on the user choices.

House Prices: Advanced Regression Techniques

Platform - kaggle

Tech used Advanced regression techniques like random forest and gradient boosting,
Exploratory Data Analysis (EDA), Data visualization, Data cleaning, Creative
feature engineering , linear models to predict home prices .
* Through Pre processing , Identified and Removed Outliers for Sale Price and filled missing
data and scaled the data .
* Compare Model between Ridge Regression, Lasso Regression, ElasticNet Regression on
both scaled and raw data .

Short-Term Load Forecasting

Exploratory project - B-tech 3rd sem
* Made a day-ahead short term electric load forecasting model based on deep residual networks.
* A modified deep residual network is formulated to improve the forecast results.

CERTIFIED COURSES

* Data structure ans Algorithms - COURSERA
* MACHINE LEARNING - COURSERA (Andrew Ng)
  University of STANFORD

POSITION OF RESPONSIBILITY

* Marketing Executive at SPARDHA'19(Annual sports and games fest IIT BHU)
* Hospitality Coordinator at PRASTUTI'19(Technical fest of Electrical department of IIT BHU)

HONOURS AND ACHIEVEMENTS

- Got selected for CODESS MENTORSHIP PROGRAM(MICROSOFT ENGAGE 2020)
- secured 1st position in Dausa district in12th RBSE board.
- secured 1st position in Dausa district and 14th position in Rajasthan state in10th RBSE board.
- Got a silver medal by RBSE borad for securing 14th rank in Rajasthan state in10th RBSE board.

EXTRA-CURRICULAR ACTIVITIES

- Participated in **SIMULIM** (simulation for electric circuits using matlab) in PRASTUTI'19
- INTER IIT CULTURAL MEET 4.0 - Represented IIT BHU in group dance event.
- VIVACITY'20 (cultural fest of LNMIIT jaipur) - Participated in group dance event.
- KASHIYATRA'20 (cultural fest of IIT BHU)-secured 2nd prize in group dance.
- AAGMAN '18 -won 1st prize in inter branch skit competition.

T: 7062488078 **E:** anshitavijay0002@gmail.com **Address:** f-214 ganesh nagar, Agra road, Dausa(Rajasthan)