AKSHAY MAHENDRA BHOITE | 20MF10044

MANUFACTURING SCIENCE & ENGG.(B.Tech 4Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2024	B.TECH	IIT Kharagpur	8.44 / 10
2020	HSC	Rao Junior College of Science, Pune	84%
2018	SSC	St. Teresas's convent higher secondary school, Jalgaon	95.2%

INTERNSHIPS

Cloud Operations and Cyber Security Intern at Quantiphi Analytics Solution Pvt. Ltd.   May 2022 - July 2022

- Worked on **AWS and GCP.** Created users and groups using IAM and assigned individual policies to each group.
- Worked on **agent installation** and **deployment** wherein I created VM instances and RDP or SSH into it.
- Setup and attached/dettached EBS volumes to EC2 instances, managed security groups and VCP specific to the environment.
- Also worked on **JIRA software** to manage creation and removal of different projects along with assigning roles to users.

COMPETITION/CONFERENCE

Interhall Data Analytics   March 2022

- Secured *2nd position (Silver)* as a team member in Nehru Hall of Residence in Interhall Data Analytics.
- Used data visualization tools and **tableau software** to generate insights to support our forecasting model and to find a suitable apporach to handle the discontinuos data which was provided.
- Made use of machine learning models like **Random-forest regression and XG Boost Regressor** and statistical models like **ARIMA, SARIMA and SES** to minimize the error but there were huge variations in dataset (sales) due to inclusion of covid-19 time period.

PROJECTS

Car price Prediction using Regression Model (Self Project)   Jan 2022

- Used different Regression Models like **Linear, Polynomial, Random Forest, KNN and Decision Tree regression** and plotted their graphs to analyze the dataset and selected the one giving the best prediction on basis of mean absolute error (MAE) and R2 score.
- Made use of libraries like numpy, pandas, seaborn and scikit-learn.
- Achieved a **best R2 score of 89.29%** where model was trained on the basis of data provided on type of fuel, distance travelled, seller type and year of purchase of the car to predict the Car Price.

Portfolio Website (Self Project)   Jan 2022

- Created a Portfolio Website using HTML, CSS and Bootstrap, having my basic introduction along with links to my social media handles.

Rendering a Donut in Terminal   Feb 2021

- Wrote a mathematical note(in latex) on how 3-D objects are visualized in the 2-D plane and how they can be rotated along the three axes.
- Using the above mathematical formulae in C++ and ASCII characters as intensity values, the donut was rendered in the terminal.

AWARDS AND ACHIEVEMENTS

- Secured **All India Rank 1** in **Silverzone IOM** (maths olympiad year-2017) out of over 4 lakh candidates.
- 2 times **State Champion** and 2 times **National Winner** at **SIP ABACUS exam**. Solved 225 sums in less than 11 minutes.
- Was among the **top 1%** in my 1st year and got an opportunity to get a **Departmental Change** to Mechanical Engineering.
- Having a **1300+** rating on **Codeforces**, a coding platform (handle : Akshayb1125).
- Ranked among the **top 1%** of more than 0.9 million candidates that qualified for JEE Mains 2020.
- Ranked among the **top 3%** of more than 0.15 million candidates that qualified for JEE Advanced 2020.
- Received Scholarship in **MTSE, Scholarship (Maharashtra)** and **Gold medalist** in Mathex, Kaushalya and T.I.M.E examinations.

SKILLS AND EXPERTISE

Languages : C, C++, Python , HTML5, CSS3
Libraries and Tools : C++ STL, Numpy, Panda, Scikit-Learn, Seaborn.
Cloud Environment : Amazon web services(AWS) and Google Cloud Platform(GCP).
Machine Learning Algorithms, Strong Programming Skills, Data Structures, Regression, Classification, Clustering models.

POSITIONS OF RESPONSIBILITY

Secretary Athletics | Nehru Hall Of Residence | IIT Kharagpur   Jan 2022 - Apr 2022

- Accountable for the smooth operation, publicity and development of the Hall of Residence, primarily in relation to sporting events.
- Ensured that all the sports equipments were made available for practice and matches for the players.
- Responsible for smooth functioning and development of the Hall of Residence primarily related to sports events.

Worked at an Animal Protection Organisation

- Conducted **Feeding rounds** and **provided shelter** for injured dogs during the lockdown period.

EXTRA CURRICULAR ACTIVITIES

Sports and Games:
- Part of **Inter-IIT Football team** for the 55th InterIIT Sports Meet conducted at IIT Roorkee.
- Played **Football Nationals** Government (2018) •Played 4x100m Relay and 200m events **Divisionals** (2018) Government.
- Played **Chess Divisionals** (2017-18) Government.
- Participated as a team member for Nehru Hall of Residence in the 2021-2022 interhall football matches.