JITESH HEMJI

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EDUCATIONAL QUALIFICATIONS

Year	Degree	Institution	CGPA/%
July'19 – Present	B.Tech, ME	Indian Institute of Technology, Kanpur	7.3/10.0
2018	CBSE – XII	D.A.V Narang Inter College, Maharajganj	88%
2016	CBSE – X	Udaya Public School, Gorakhpur	10.0/10.0

SCHOLASTIC ACHIEVEMENTS

- Achieved a rank of **5228** in **JEE Advanced** 2019 among more than 2.5 lac candidates qualified for the exam.
- Award of 'Scholorship for Higher Education' **(SHE)** under **INSPIRE** by virtue of performance within top **1%** in state board.
- Shortlisted for **Education Outreach Scholorship** by GirlScript Foundation 2021-22.
- Received **Certificate of Merit** by CBSE for outstanding performance and for obtaning grade **'A1'** in all subjects.

PROJECTS

Implementation of Support Vector Machine   *Mar'22-May'22*
Prof. Suparno Mukhopadhyay (Dept. of CE, IITK)   *[Report]*

- Detailed learning of **Support Vector Machine** algorithm and implementation on real life dataset
- Investigated SVM algorithm and mathematics behind its implementation in detail.
- Wrote class of SVM algorithm from scratch in obejct oriented pogramming fashion using **python**
- Obtained the same result from inbuilt sklearn's lib module for SVM and custom code written from scratch.

Rubik Cube Solver   *May'20-July'20*
Speed Cubing Club (Snt Council, IITK)

- Worked in team of 4 and developed a Rubik Cube Solver to be implemented on a virtual Simulator.
- Utilized and implemented the **CFOP** method to solve the cube with an average of **85-95** moveset.
- Used **C++** and implemented **41 F2L Algorithms** to solve the First two layer.
- Documented the project and presented the whole work to SNT Council, IIT Kanpur.

Real Estate Price Predictions ⌾   *July'21*
Self Project

- Aim of the project to predict the real estate price depends on various dependent features.
- Performed **Web Scrapping** and **Data Cleaning** using python to build a corpus over **50k+** real estate prices.
- Created a Json object to predict best model using **GridSearchCV**.
- Trained the model with **ridge regression**, achieved accuracy of about **85%** used **Hyperparameter tuning** to improve the efficiency.

Mechanical Wrist Watch   *Feb'21-Apr'21*
Prof. Nachiketa Tiwari(Dept. of ME, IITK)

- Designed a 3d working model of Mechanical Watch using **Fusion 360** as a part of ME251 Course Project.

SKILLS

Programming Languages: C, C++, Python, Matlab
Libraries: NumPy, Pandas, Matplotlib, BeautifulSoup
Tools: AutoCad, Autodesk Fusion 360, MicroCap
Utilities: Git, Gitbash, LaTeX, Excel, VS Code

RELEVANT COURSES

Data Analytics, Fundamental of Computing, Applied Numerical Methods, Scientific Data Analysis, Presentation and Interpretation, Vibration & Controls, Partial Differential Equation, Introduction to Complex Analysis, Introduction to Electronics, Real Analysis and Integral Calculus, Mechanics of Solid, Dynamics, Engineering Design and Graphics

WORK EXPERIENCE

Urvija Ai   *May'21-Aug'21*
Data Monetization Intern

- Working in 'Retail Brand' sector to monetize the data and designing a new product for Personalized Campaign.
- Analyzed the benchmark performance of market and wireframed the model.
- Build and trained the model using **Logistic Regression** and KMeans Clustering to create chunks of customers.
- Successfully submitted the BRD with main objectives on creating **KPIs** and **NSM**.
- Currently, working on building **PRD** and draw conclusion from given data.
- The product giving a total revenue of around **1 million dollar** as estimated by the company.

INSTITUTE POSITIONS

Assistant Coordinator   *Feb'21-Mar'22*
Students' Placement Office, IITK

- Coordinating with **Students' Placement Office** for inviting and fascilating the upcoming **Internship drive** and **Placement procedure**.
- Recorded highest number of offers made till date with **380+** offers rolled out on Day1 of Placement Drive 2021-22, achieved all time highest placement record.
- **Spearheading** a team of over **70+ CoCos** to ensure the smooth functioning for conduction of tests and interviews.
- Developing **liaisons** with around **1200+ corporate teams** to ensure the participation in Internship and Placement drive 2021-22.

Company Coordinator   *July'20-Jan'21*
Students' Placement Office, IITK

- Coordinated with Students' Placement Team for the entire Internship drive and Placement Season 2020-21
- Responsible for conduction of tests, GDs and interviews.
- Acted as a direct PoC for around **15+ companies** during placement drive 2020-21.

MISCELLANEOUS

- Currently working on a Research Project **Video Content Analysis** under Dr. Faiz Hamid(Dept. of IME, IITK)
- Attended **AI-for-India 1.0** event held by **GUVI**
- Performed **2 street plays** and **2 mime** on various social causes as a part of Institute Dramatics Team.
- Participated in National Festival of **IITK 'Antragini'** and stood **2nd position** in Mime among more than **50** participated colleges.
- Worked in a group of **6 member** for editing and shooting a short film in Fresher's Film Club.
- **NCC certificate holder**, participated in various parade.