ANIKET ASHOK KATAKDHOND(ME19B005)| INDIAN INSTITUTE OF TECHNOLOGY MADRAS

EDUCATIONAL AND SCHOLASTIC ACHIEVEMENTS

PROGRAM	INSTITUTION	CGPA/%	YEAR OF COMPLETION
B. Tech - Mechanical Engineering	Indian Institute of Technology Madras	7.72/10	2023*
XII (HSC)	RatanbaiWalbai Junior College, Maharashtra	88.9 %	2019
X (ICSE)	Smt. Sulochanadevi Singhania School, Thane	97.2 %	2017

- Secured a position in top 2.1 percentile in JEE Mains.* - *ongoing*
- Among the top 1 percentile in Class XII Maharashtra State Board.

EXPERIENCE

App Developer Intern at QkRes [Feb-April 2021]	- Lead the team, along with other 3 interns in building App in **Flutter** framework. - Worked on building an app which would aid in **Contactless** seat reservation in mess, Libraries, Institute Hospital, etc. - Ideated on **Usage of Barcode** generated system for achieving above goal.
Full-Stack Developer InternatJivass Tech [May-June 2021]	- Worked on **ReactJS** for frontend and **Django** for backend, using PostgreSQL as database. - Created **Mall Metering Website,** with basic features, like authentication system, Dummy Data, Primary Dashboard for Customers, Supervisors and Superadmin. - Created Website till **alpha** phase, as per client's demands.

PROJECTS

Mall metering	- Used **ReactJS and Django stack**, with PostgreSQL as database. - Implemented **D3** graph for visualization purposes and Interactive data tables. **REST**APIs were used in backend. - Ideation of flow logic, database design andcreating wireframes for the same.
Classify Defaulter [American Express Course Work Project]	- Task was to develop a **credit risk model** that predicts the likelihood of a customer to default a payment. - Along with relevant data engineering, used **Xgboost** Algorithm, to achieve results. - Secured **2nd place** among 15 teams, with F1 score of **60.66** %.
Stock market Analysis	- Used Kaggle dataset to determine stock behavior based on the news headline. - Implemented **CountVectorizer** to convert sentences to vectors and create bag of words. **RandomForestClassifier** for classification purposes. - Successfully built a model with **86.24 %** accuracy score.
Emotion Detection	- Used **Keras Sequential model** along with layers like **Conv2D, Maxpooling2D, Flatten, Dropout and Dense** to build the Model. - Using **Haar Cascade** to detect faces in the frames of video. - Built using a Kaggle data set containing **7 emotions**: happy, sad, fear, disgust, angry, surprise and neutral with an **accuracy of 59.2%.**

COURSEWORK AND SOFTWARE TOOLS

- Principal of Economics
- Computer Vision[#]
- Functions of Several Variables

- Machine Learning by Andrew Ng[#]
- Introduction to Data Analytics [$]
- Series and Matrices

- Probability, Statistics and Stochastic Process
- Differential Equations

Software Tools	Python (TensorFlow),JavaScript,C++, MATLAB, Dart (Flutter), SQL and MS Office

 # - online courses; $ - ongoing courses

POSITIONS OF RESPONSIBILITY

CFI[1] Co-curricular Affairs Secretary, Product Design, Project member,	- Worked on React Native Framework for developing Apps. - Worked for collecting various games from online sources, and implementing them in our games list.

Course Management Solution	● Learned React Native from YouTube and made mini projects like chat activity using firebase backend.
Shaastra[2] Co-curricular Affairs, Secretary, Shaastra 2020-2021, Shows & exhibitions,Coordinator, Tech-Creation	● Ideated on games for Shaastra. ● Along with team, built various creative online games. ● Conducted and monitored online games with a highly engaging audience of 200+ footfall for 3 days.

1 – Center for Innovation; 2- Annual Technical Fest

EXTRACURRICULARS AND HOBBIES	
Weightlifting	● Part of NSO[3] weightlifting for a year ● Part of Cauvery Weightlifting Team, stood 4th in 69+ weight category
Volunteering/Hobbies	● Other than this, I love painting, freehand drawing and still life. ● Volunteered as a writer for disabled students' class 10 board exams.

3 – National Sports Organization