



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.

[Proof link](#)

[for calculating 10th board percentage, calculate marks of ENGLISH + top 4 marks divided by 500. In my case (92 + (100+99+98+97))/500]

EXPERIENCE

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| App Developer Intern at QkRes [Feb-April 2021] | <ul style="list-style-type: none"> 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 Intern at Jivass Tech [May-June 2021] | <ul style="list-style-type: none"> 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. |

[Proof link](#)

PROJECTS

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| Stock market Analysis Link | <ul style="list-style-type: none"> 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 Link | <ul style="list-style-type: none"> Used Keras Sequential model along with layers like Conv2D, Maxpooling2D, Flatten, Dropout and Dense to build the Model. Using HaarCascade 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%. |
| Car Price Prediction Link | <ul style="list-style-type: none"> Used Dataset from CarDekho available on Kaggle. Used RandomForestRegressor algorithm for building models. Model scores were, accuracy: 0.96, precession score: 0.95, recall score: 0.93 and F1 score: 0.94 Implemented the final model on Heroku, using Flask for backend. |
| Similar Image Grouping Link | <ul style="list-style-type: none"> The objective is to find and display top N similar images to the given input image from the dataset, having animal faces. Implemented Convolutional Encoders on image dataset, for efficiency and flexibility purposes, the compressed representation takes 8 times less space than images. Used K Means for clustering a KNN for assigning new data points to the clusters formed. |
| Classify Defaulter [American Express Course Work Project] Link | <ul style="list-style-type: none"> 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 %. |
| Ecommerce Website Link | <ul style="list-style-type: none"> The project is an Ecommerce Application, built using, Reactjs, nodejs, Expressjs and connected to Mongodb Database. Has various features like Authentication, Add to cart, UserDashboard, Search bar (with voice input search) for User side and Adding category, Viewing orders etc. on Admin side This app also has functional Payment system, built using braintree gateway. Implemented Nodemailer, to notify the admin and customer about the order through email. https://ecommercewebsite31.herokuapp.com/ |
| Mall metering | <ul style="list-style-type: none"> Used ReactJS and Django stack, with PostgreSQL as database. |

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| Link | <ul style="list-style-type: none"> Implemented D3 graph for visualization purposes and Interactive data tables. RESTAPIs were used in backend. Ideation of flow logic, database design and creating wireframes for the same. |
| Contactless QR system Link | <ul style="list-style-type: none"> Ideated and implemented usage for QR code for Contactless System for Mess and hospitals. Used Flutter (Cross Platform Framework) for app development. Prepared presentations and demonstrated our ideology and implemented the app to Concerned authorities. |
| Wolf's E-mart Link Play Store | <ul style="list-style-type: none"> Built an e-commerce app from scratch using Android Studio and deployed it on Play Store. Developed an Android E-commerce app similar to Flipkart. Built basic features like user registration, login page, change password, search bar, add to cart and edit profile. Admin can add, edit and delete products. |

COURSEWORK AND SOFTWARE TOOLS

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| <ul style="list-style-type: none"> Principal of Economics Computer Vision[#] Functions of Several Variables | <ul style="list-style-type: none"> Machine Learning by Andrew Ng[#] Introduction to Data Analytics^{\$} Series and Matrices | <ul style="list-style-type: none"> Probability, Statistics and Stochastic Process Differential Equations |
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Software Tools Python (TensorFlow), JavaScript, C++, MATLAB, Dart (Flutter), SQL and MS Office

- online courses \$ - ongoing courses

POSITIONS OF RESPONSIBILITY

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| CFI ¹ Co-curricular Affairs Secretary, Product Design, Project member, Course Management Solution | <ul style="list-style-type: none"> Worked on React Native Framework for developing Apps. Worked for collecting various games from online sources, and implementing them in our games list. 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 | <ul style="list-style-type: none"> 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

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| Weightlifting | <ul style="list-style-type: none"> Part of NSO³ weightlifting for a year Part of Cauvery Weightlifting Team, stood 4th in 69+ weight category |
| Volunteering/Hobbies | <ul style="list-style-type: none"> 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