



## EDUCATIONAL AND SCHOLASTIC ACHIEVEMENTS

PROGRAM	INSTITUTION	CGPA/%	YEAR OF COMPLETION
B. Tech - Mechanical Engineering	Indian Institute of Technology Madras	7.88/10	2023
XII (HSC)	RatanbaiWalbai Junior College, Maharashtra	88.92 %	2019
X (ICSE)	Smt. Sulochanadevi Singhania School, Thane	96.67 %	2017

- Among the top 1 percentile in Class XII Maharashtra State Board.

## PROFESSIONAL EXPERIENCE

<b>Full-stack web developer Intern at Mealful</b> <i>(Canadian Startup)</i> <i>[Feb-July 2022]</i>	<ul style="list-style-type: none"> <li>• Conceptualized with co-founder for <b>architectural design</b> and development of admin portal.</li> <li>• Implemented features role based authentication, <b>data visualizations</b> and customization panel.</li> <li>• Integrated <b>Twilio</b> API for twilio notifications for users and <b>Slack</b> API for slack notifications on admin portal.</li> <li>• Deployed automation scripts like updating customer status using <b>cronjobs</b>.</li> <li>• Developed the backend server using <b>PHP</b> and for graphical interface with <b>ReactJS</b> framework.</li> </ul>
<b>Frontend developer Intern at Jivass Tech</b> <i>[May-June 2021]</i>	<ul style="list-style-type: none"> <li>• Successfully developed a <b>mail metering</b> application for tracking electricity bill on daily basis.</li> <li>• Prototyped features with electricity consumption tables and real time data graphs.</li> <li>• Executed and solved critical bugs on the application using ReactJS.</li> </ul>

## PROJECTS

<b>Ecommerce website</b>	<ul style="list-style-type: none"> <li>• Architected and developed an e-commerce <b>web application</b> using MERN stack.</li> <li>• Expanded and enhanced with features like add to cart, dashboard, <b>search bar</b> (voice command included), <b>filters</b> and inventory management from the admin end.</li> <li>• Integrated payment gateway using <b>Braintree</b> and automated mailing system using <b>Nodemailer</b>.</li> </ul>
<b>Contactless QR system</b>	<ul style="list-style-type: none"> <li>• <b>Led</b> a team of four members to build a contactless management system using <b>Flutter</b>.</li> <li>• Developed the generation of <b>barcode</b> and processing of the response for advanced booking of mess seats and doctor appointments.</li> </ul>
<b>Classify defaulter</b> <i>[MS4610 American Express coursework project]</i>	<ul style="list-style-type: none"> <li>• Developed a <b>credit risk model</b> to predict the likelihood of customers defaulting on payment.</li> <li>• Performed relevant data cleaning techniques and tuned the <b>XGBoost</b> model.</li> <li>• Achieved a <b>F1</b> score of <b>82.65 %</b>.</li> <li>• Bagged the <b>2nd</b> place out of 30 teams.</li> </ul>
<b>Emotion detection</b>	<ul style="list-style-type: none"> <li>• Built a CNN model using the python Keras library covering essential steps like <b>Conv2D</b>, <b>Maxpooling2D</b>, <b>Flatten</b>, <b>Dropout</b> and <b>Dense</b>.</li> <li>• Detected human faces in each frame of the video with the help of <b>HaarCascade</b> library.</li> <li>• With an accuracy of <b>79.8%</b>, the model was able to detect 7 emotions like happy, sad, fear, disgust, angry, surprise and neutral.</li> </ul>

## RELEVANT COURSE WORK

<ul style="list-style-type: none"> <li>• Programming and Data Structures<sup>s</sup></li> <li>• AI in manufacturing<sup>s</sup></li> <li>• Machine Learning by Andrew Ng<sup>#</sup></li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to Data Analytics</li> <li>• Computer Networks and Internet Protocol</li> <li>• Mathematical foundations of Data Science</li> </ul>	<ul style="list-style-type: none"> <li>• Operating System Fundamentals<sup>s</sup></li> <li>• Probability, Statistics and Stochastic Process</li> </ul>
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## SKILLS

<b>Programming Languages</b>	C++, Python, JavaScript, Dart
<b>Frameworks/Libraries</b>	React JS, Express JS, Node JS, scikit-learn, OpenCV, TensorFlow.
<b>Databases</b>	MySQL, MongoDB
<b>Dev Tools</b>	Git, Postman, Jenkins.

## POSITIONS OF RESPONSIBILITY

<b>CFI<sup>1</sup></b> <b>(Project Member)</b>	<ul style="list-style-type: none"> <li>• Development of course material management application.</li> <li>• Implementation of organized resource management and announcement portal.</li> <li>• Built using <b>React Native</b> (cross platform hybrid framework by Meta).</li> </ul>
<b>Shaastra<sup>2</sup></b> <b>(Tech Coordinator)</b>	<ul style="list-style-type: none"> <li>• Finalizing games for Shaastra after <b>brainstorming</b> sessions with the team.</li> <li>• Assisted Web Development teams with design of games.</li> <li>• Conducted online games with a highly engaging audience of <b>200+</b> players across 3 days.</li> </ul>

## EXTRACURRICULARS

<b>Weightlifting</b>	<ul style="list-style-type: none"> <li>• Member of <b>weightlifting club NSO</b> in the first year.</li> <li>• Bagged <b>4<sup>th</sup> place</b> in <b>69+ kg</b> weight category in Schroeter event.</li> </ul>
<b>Volunteering/Hobbies</b>	<ul style="list-style-type: none"> <li>• Volunteered as a writer for <b>disabled students</b> during class 10 board exams.</li> <li>• Secured <b>A grade</b> in both Elementary and Intermediate Drawing Examinations.</li> <li>• Helped students with problems in mathematics and physics through <b>Brainly</b> FreeLancer.</li> </ul>

[#] - online courses [\$] - ongoing courses [1] - Center for innovation [2] - Annual Technical Fest [3] - National Sports Organization

[MS4610] – Introduction to Data Analytics [ME3302] – Automation in Manufacturing