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Indian Institute of Technology, Madras

EDUCATION				
PROGRAM	**STREAM**	**INSTITUTION**	**CGPA / %**	**YEAR**
B-Tech	Metallurgy and Materials Engineering	Indian Institute Of Technology, Madras	7.5/10	2024
Class XII	HSE	Sri Kamakshi Vidyalaya, Tuticorin	77.83%	2020
Class X	CBSE	Sakthi Vinayakar Hindu Vidyalaya, Tuticorin	84.2%	2018

SCHOLASTIC ACHIEVEMENTS

- Secured **second** place in Github **Analytics 24-hour hackathon** conducted inter-college by Techsoc-2023
- Ranked in **Top 7%** in JEE advanced 2020 and in **Top 2%** in JEE main 2020 with a percentile of 99.1 among 9 million candidates
- Won **First** place in the **QMAT-2019** Inter-district High School Mathematics Quiz competition

RELEVANT COURSEWORK AND SKILLS

Courses	Data structures and algorithms	Complete web development bootcamp	Deep Learning
	Introduction to scientific computing	Mathematical foundations of data science	Machine Learning
	Python for data science Bootcamp	Probability, Statistics and Stochastic Processes	Linear algebra
Skills	**Programming Languages**	Python, JavaScript	
	Web Technology	HTML5, CSS3, BootStrap4, Node.js,Express.js,ReactJS,Git,GitHub	
	Analytics	MySQL,Tableau, MS Excel, Pandas, NumPy, Matplotlib, Scikit-learn	

PROFESSIONAL EXPERIENCE

Web Developer Intern Inbound Aerospace *(May' 24 - July' 24)*	• Designed the frontend components for multiple routes of their web application using **ReactJS** and CSS • Developed **Express** Server using Node.js, mongoose Schema and Models and **MongoDB.** • Established connection and communication between frontend and backend using REST API
Data Analyst Intern, Zero Meat *(May' 23 - July' 23)*	• Conducted a comprehensive **market analysis** in the plant-based meat food industry to provide valuable insights into market adaptability.Web-scraped data from online delivery websites for region-based analysis • Compiled a detailed feedback report outlining areas for improvement,challenges to be looked into and recommended future strategies for adoption by Zero Meat

PROJECTS

Polling Application	• Developed an online voting platform utilizing **JavaScript, EJS, NodeJS, and MongoDB.** • Implemented a user management system allowing administrators to **conduct polls and post results.** • Utilized MongoDB for database management to store poll data and user information securely.
Blog Website	• Designed a fully responsive personal blog website leveraging **NodeJS** and **ExpressJS** partials • It has **Home,About,Contact** us pages and it renders the Blogs as a Daily Journal in a Truncated format.
Firms Carbon Risk Assessment (Prof. Thenmozhi M)	• Developed an NLP model based on **BERT** to assess Firms' Carbon Risk • Compiled and processed annual reports from Nifty 50 Indian companies portals • Classified sentences for relevance to climate risk using SBERT and analyzed environmental risk factors
Credit Card Fraud Detection	• Developed Credit card fraud detection model using multiple classification techniques using Kaggle dataset • Applied **standard scale**r for resizing distribution and used **SMOTE** to resolve the class imbalance • Applied Logistic Regression, Gaussian Naïve Bayes, KNeighborsClassifier, Decision tree, Random forest and XGboost techniques and evaluated each model using **ROC** curve and **classification** report • Concluding that **SMOTE + XGBoost** is the efficient model with **0.97 area under the ROC** curve

POSITIONS OF RESPONSIBILITY

Global Engagement Events Team *(July' 22 - May' 23)*	• Part of a team of 8 members in planning, organizing, and executing a series of academic and sustainability-oriented events, including the Subra Suresh Distinguished Lecture Series, Eminent Speaker Lecture Series, and Global Opportunity Series • Designed captivating event posters, showcasing creativity in promoting diverse initiatives
Saathi Student mentor *(July' 23 - May' 24)*	• Mentored 3 new students of Metallurgy & helped them settle in their initial days in Institute • Guided the new students in their academic and extra co-curricular activities throughout their first year
NSS-Volunteer	• Created **an audiobook for** "The House on mango street" for blind people under project Shravyam