



EDUCATION AND SCHOLASTIC ACHIEVEMENTS			
Program	Institution	CGPA / Percentage	Year
B.Tech in Mechanical Engineering	Indian Institute of Technology Madras	7.4/10	2026
XII (HSC)	Vishwanath Appa Hurne College	87.83%	2022
X (SSC)	Mahatma Phule English School	98%	2020
Scholastic Achievements	<ul style="list-style-type: none">Scored 99.2 percentile in Maharashtra State Common Entrance Test Cell (MHT-CET) examinationAttained qualification for Stage-2 of the 3 stages in Dr. Homi J. Bhabha Balvaidnyanik examination		
PROFESSIONAL EXPERIENCE			
Bank of New York (BNY) Software Development Intern [June-July'25]	<i>Streamlining vulnerability management by automating data fetching via APIs & Jira issue creation</i>		
	<ul style="list-style-type: none">Built Real-Time Dashboard by automating API-to-Snowflake ingestion,eliminating the manual ETLDeveloped dashboard with bar/pie charts, optimized SQL to fetch 10K+ records at once, in <500 msEnabled users to view vulnerabilities assigned to them with its mapped details to improve trackingIntegrated Jira REST APIs to bulk-fetch vulnerability JSON payloads with the custom query filtersAdded one-click Jira creation that reduced manual work and improved the issue tracking by ~90%Delivered impact reduced ETL effort by 87% and achieved ~80-90% data accuracy and consistency		
PROJECTS			
Book Recommendation System	<i>A recommendation engine to suggest books based on users' past interactions with the target items</i>		
	<ul style="list-style-type: none">Built a recommender using K-Nearest Neighbors with Euclidean distance to recommend the booksAchieved ~85% recommendation accuracy and enhanced personalization and the book suggestions		
SpotyMood	<i>AI-powered personalized Spotify playlist generator by analyzing faces, voice, or manual mood input</i>		
	<ul style="list-style-type: none">Developed interactive Dash + Flask web app for mood detection and then Spotify playlist creationAchieved mood detection from user's text or voice input by using libraries like Whisper and PyaudioBuilt a playlist generator integrating Spotify's API with a custom mood-based audio feature analysis		
Credit Card Fraud Detection	<i>Built fraud detection system with ROC-AUC using SMOTE-balanced XGBoost, beating other models</i>		
	<ul style="list-style-type: none">Prepared data using pandas and scikit-learn for scaling (SMOTE) imbalanced transactions in dataTrained & compared LogisticRegression, RandomForest and XGBoost with ROC-AUC evaluationOptimized by tuning XGBoost using GridSearchCV and saved best model with joblib for prediction		
YouTube Clone	<i>Developed a YT clone with search functionality in Python (Dash), integrated YouTube & Google APIs</i>		
	<ul style="list-style-type: none">Built YouTube clone with Dash Bootstrap, focusing on search to avoid shorts and feed's distractionsUsed YouTube API for search results and added voice search by using the Google Assistant APIImplemented Google Sign In using Firebase AUTH & utilized SQLite to store the user preferences		
Grocery App	<i>An Interactive Grocery app to keep record of customers and maintain their orders in the grocery store</i>		
	<ul style="list-style-type: none">Built the backend using Python; JS, CSS, & HTML for frontend; MySQL for database managementCreated schemas and related tables, integrated Python Flask, MySQL server by MySQL connectorCreated an API to delete & insert products, total price, product list & order list in tables using Python		
Expense Tracker	<i>Smart Expense Tracker with Dash, Plotly & Snowflake-Ready architecture for efficient management</i>		
	<ul style="list-style-type: none">Built an interactive expenses dashboard with Dash, Plotly, and Pandas featuring real-time updatesImplemented JSON data persistence, dynamic callbacks, and input data validation using Dash stateDesigned modular UI with custom CSS, responsive layout, and category-wise charts for the analysis		
SKILLS AND COURSEWORK			
Coding Skills	Python, C++*, DSA, HTML, CSS, JS*, MySQL, Machine Learning, OOPS*, Java*, ReactJS*, NodeJS*		
Tools & Softwares	Linux OS, Snowflake, Dataiku, Git, GitHub, LaTeX, AutoCAD, Fusion 360, GNU Octave, Matlab, Miro, GeoGebra, Jupyter Notebook, IDEs, Canva, Figma, Illustrator, Photoshop, MS Clipchamp, Powerpoint		
Libraries & Frameworks	Pandas, Numpy, Matplotlib, Joblib, SQLAlchemy, Requests, SciPy, Scikit-learn, Plotly; Dash, Flask		
Coursework	Functions of Several Variables, Linear Algebra, Series and Matrices, Differential Equations		
	Scientific Computing : Covers Linux programming, Octave, GPU computing, visualization, & LaTeX		
POSITION OF RESPONSIBILITIES			
TechSoc (Aug'24-May'25)	<ul style="list-style-type: none">Core of Design Vertical in TechSoc, maintained consistent branding for sponsored events & teamsLed a two-tier branding team independently and managing design workflows and mentoring juniors		
Extra Mural Lectures(EML) (Apr'23-May'24)	<ul style="list-style-type: none">Creative Cell Coordinator at EML: hosted events, managed publicity & handled 5000+ attendeesLed publicity activities for 15+ talks featuring the speakers like Dr. S. Somanath and K. AnnamalaiModerated the lecture by Padmashri Awardees Dr. Prakash Baba Amte and Dr. Mandakini Amte		
Saathi Team (Aug'24-May'25)	<ul style="list-style-type: none">Super-Coordinator of Design & Publicity Vertical of team Saathi for handling all outreach eventsLed 10+ large-scale student events and managed 1000+ participants in collaboration with the team		
Drama Club (May23'-April24)	<ul style="list-style-type: none">Coordinator of Drama Club, managing PR, participating in the biggest drama fest in the InstituteHandled all theatre arts events at the cultural fest, managing 1000+ participants from 20+ colleges		
Shastra O&IP (Dec22'- Jan23')	<ul style="list-style-type: none">Volunteered in Shastra's Operations & Infrastructure team for assisting with the event logisticsManaged on-ground coordination, coordinating 10+ vendors along with serving 30K+ attendees		
EXTRA-CURRICULAR ACTIVITIES			
<ul style="list-style-type: none">Performed in Inter IIT Street Play for IIT Madras (2023 & 2024), demonstrating strong stage presence and public speaking skillsParticipated in multiple Toastmasters Club events, developing strong communication, public speaking, and the leadership skillsWon 1st place at the district level in long-distance running and Kabaddi, showcasing the athletic performance and team spiritReceived "Student of the Year" award successively 2 times for academic achievements and consistent excellent performance			