

Ajinkya Mawal Metallurgical Engineering & Material Science

Indian Institute of Technology Bombay ajinkyamawal123@gmail.com

22b2439 **B.Tech** Male

DOB: 20/10/2003

Examination	University	Institute	Year	CPI/%
Graduation	IIT Bombay	IIT Bombay	2022-23	8.12

Examinat	tion University	Institute	\mathbf{Y} ear	$\mathrm{CPI}/\%$
Graduation	n IIT Bombay	IIT Bombay	2022-23	8.12
Pursuing Dual	Minor in Entrepreneursl	nip, Artificial Intelligen	ce & Data Scien	ce at CMINDS
	TEC	CHNICAL PROJECTS		
Falcon 9 Laun	ch Analysis Self Project			[Dec'24]
Implemented Ma Designed an E Performed dat Developed a D Speakspear Al Developed an AI Built a GPT pr Converted Sha Utilized multi- RL to Optimiz Developed RL-bas Enhanced trace Preprocessed 1 Outperformed Parallel Direct Developed PDMI Analyzed the c Reduced iterat Line-Following Designed and sin	chine Learning algorithms to the CTL pipeline to collect, present a wrangling, EDA, and feat a wrangling GPT-based in the collection of the collect	process, & clean launch dure engineering to extract launch success insights & Bigram Model, leveraging I IM parameters using PyTes using Frequency encode within Transformer architecters Finsearch Finance DQN and DDPG, enhancing y leveraging DQN and DDPG, ack data, engineered features with DQN and DDPG, ack ers Course Project Guinvex optimization, outperforming ADMM in Robust and accuracy, efficient apparent Course Project Guing accuracy Guing accuracy	ata using API required success indicators optimized ML piper PyTorch and Transforch, trained on Shing with further Peture for better concluber of the European Cluber of Shing with further Peture for better concluber of the EMA, RSI and ineving 15%+ risk-and eventual the existing ust-PCA & Overlasteps, for faster & storoach for structure or the existing of the existing ust-PCA & overlasteps, for faster & storoach for structure of the existing ust-PCA & overlasteps, for faster & storoach for structure of the existing of the existing ust-PCA & overlasteps, for faster & storoach for structure of the existing of the exi	dict landing success uests, web scraping for ML classification eline for predictions [Aug'24-Sep'24] former architecture takespeare's writings ositional encoding text understandings [Jun'24-Aug'24] ortfolio performance stock market indices adjusted profitability gan [Mar'25] ADMM algorithm. pping Group Lasso stable convergence ed sparsity problems indarkar [Dec'23] pickup-drop actions
• Programmed a	n ESP32 WebSocket server	, ,		onse speed by 50%
I . N/I D		ON OF RESPONSIBIL	ıΤΥ	[G 10.4]
 Selected from 50 Developed a re Extracted key Added Deep F Trained and fin Integrated Visit 	gineer Team Zero Waste + applicants to develop in bust ML model to classify the features: Haralick Texture eatures from VGG-16, com- ne-tuned SVC with GridSear ion Transformer into CNN and PLABV3 to eliminate noise	rash into Six major catego res, SIFT, Color Histogram bined them, used PCA to rchCV, beating famous algo- architechture, achieving 88	ries, achieving an o m, Hu Moments a reduce Dimensiona writhms by a 10% A % accuracy on high	verall 84% accuracy and LBP Histogram dity and Model Size Accuracy Benchmark n-resolution datasets
	EXT	CRACURRICULARS		
Inter IIT	 Head of Camera Operati Led the film contingent of	f 40 members, in rigorous	51-hr & Online Fili	mmaking Challenge
Venture		aly competitive pool at the	e pre-incubator pro	gramme from DESE
Leads		dership Program (ShARE) lanning, executing various	E) on Circular Ec	onomy principles

via workshops into creating projects reaching 50k+ audience to promote Film Initiatives • Ideated and executed 10+ publicity campaigns to increase the registrations for Eureka BMC by 25%, secured sponsorships from multiple firms for Entrepreneurship initiatives • Mentored 15+ students during Winter in Data Science program, focusing on NLP & LLM