	L QUALIFICATIONS			
Year	Qualification	Institute	Performance	
2021-2025	B.Tech - Mechanical Engineering Minor – Eng Literature	Indian Institute of Technology Kanpur	8.0/10.0	
2021	Class XII, Maharashtra State Board	Pace Junior Science College, Nerul	95.2%	
2019	Class X, CBSE Board	D.A.V Public School, Nerul	94.0%	
ACHIEVEMEN'				
	a Rank 2666 in JEE Advanced 2021 and All India Rank 5044 in JEE N		2021	
	a Rank 102 in All India Open Mathematics Scholarship Examination	,	2020	
	ademic Excellence Award for exceptional academic performance in SS Lab Summer Internship 2023 from 60+ candidates under Dr. Bis		2021 2023	
WORK EXPERI		SHAKII BHALLACHAI YA, HAL CHAII FI GIESSOI	2023	
	pment Internship <i>Medantrik (MedTech Start-Up)</i>		May'24-Jul'24	
	ment Offer (PPO) for exceptional performance		1VIUY 24-JUI 24	
Objective Objective		tive spirometry test and lung eversions (356K vs.	F2K/hospital tosti	
Objective	Develop algorithm for portable lung health device, cost-effect Calibrated device to man PRM to breath flow rate using protein			
	 Calibrated device to map RPM to breath flow rate using proto Built a hospital prototype and interface, collecting 10+ datapo 			
Strategy	 Integrated hospital data (SQL Server) with GLI metrics, applying 			
	Oversaw marketing and design for health camps with 1K+ foo	• • • • • • • • • • • • • • • • • • • •		
lana a a d	Co-invented patent-pending device and algo, launching in Del			
Impact	Classified lung health into 4 categories with 96% accuracy; lun	ng health report with 19 parameters/4 graphs w	via in-house algo	
Product Manage	ement Internship <i>Foruppo ((Autonomus Start-Up EcoS</i>)	ystem)	May'24-Jul'24	
Objective	Led and collaborate with teams to build innovative products a	and deliver impactful solutions, leveraging strate	egic planning	
Highlights	Co-creator of 'Wizoona', built India's first community-led hol	istic education startup and worked on pre-laur	nch activities	
riigiiigiits	Collaborated with core-team to analyse the Value Proposition	n, Customer Segmentation and GTM strategy of	of 'Wizoona'	
Impact	• Launched 'Urrban Tailor,' a SaaS platform, on Product Hunt, I	eading an 8-member team from ideation to ex	ecution	
CrowdFunding I	nternship Muskurahat Foundation (A Youth NGO)		Jan'23-Mar'23	
Key Highlights	Execute crowdfunding campaigns to raise funds for children's	s education and the protection of child rights		
Key Highlights	Impacted lives of 450+ children in Mumbai and Jharkhand, th	rough the funds raised and received a merit cer	rtificate	
KEY PROJECT				
Yoga Pose Predi	iction and Feedback Generation <i>Dr. Tushar Sandhan, E</i>	E, IIT Kanpur	Jan'24-May'24	
Objective	Enhance self-guided yoga practice with a deep learning mode	el, classifying yoga asanas and providing real-tin	ne feedback	
	Engineered hybrid CNN-LSTM model capturing spatial and term	mporal features, trained on 88 videos from dive	erse datasets	
Strategy	Utilized OpenCV for video processing, MediaPipe for pose lar			
	Conducted angular vector analyses to compare user poses with a compare user poses. Output Output Description Description Output Description Desc			
Result	Reached 99.05% accuracy, boosted to 99.66% with polling, classifications and the second	assifying videos into 6 asanas and providing eff o	ective feedback	
	ng time-series Analysis Stamatics, IIT Kanpur			
Objective	 Develop and compare predictive models for air quality and st 		May'23-Jul'23	
Stratogy			e accuracy	
Strateav	Applied ADF, ACF test, Box-Cox transformation for the statio	narity, normality, homoscedasticity on 7+time s	e accuracy series datasets	
Strategy	 Applied ADF, ACF test, Box-Cox transformation for the statio Decomposed a time-series into its trend, seasonality, cyclicity 	narity, normality, homoscedasticity on 7+time so using HP filter and tested stationarity using A C	e accuracy series datasets OF statistical test	
Strategy Result	Applied ADF, ACF test, Box-Cox transformation for the statio	narity, normality, homoscedasticity on 7+time so using HP filter and tested stationarity using AD CF analysis to determine order of AR and MA m	e accuracy series datasets OF statistical test nodels	
	 Applied ADF, ACF test, Box-Cox transformation for the statio Decomposed a time-series into its trend, seasonality, cyclicity Conducted statistical normality tests and utilized ACF and PAGE 	narity, normality, homoscedasticity on 7+time so using HP filter and tested stationarity using AD CF analysis to determine order of AR and MA m Apple INC. stock prices using Auto ARIMA on 1	e accuracy series datasets OF statistical test odels 405 observations	
Result	 Applied ADF, ACF test, Box-Cox transformation for the statio Decomposed a time-series into its trend, seasonality, cyclicity Conducted statistical normality tests and utilized ACF and PAG Achieved a MAPE of 0.0153 and 98.5% accuracy in predicting Reduces prediction errors with ARIMA, SARIMAX models, ach (Course Project) Dr. Tushar Sandhan, EE, IIT Kanpur 	narity, normality, homoscedasticity on 7+time so using HP filter and tested stationarity using AC CF analysis to determine order of AR and MA material Apple INC. stock prices using Auto ARIMA on 1 nieving 97.1% accuracy in Beijing air quality fore	e accuracy series datasets OF statistical test codels 405 observations ecasting $Aug'23 - Nov'23$	
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	Revised the Model for a new bid due to change in circumstances and compared it with competitive bidder for the final price				
Chat With Multiple-PDFs (Self Project) Aug'24					
Objective	Develop contextually responsive chatbot to answer user queries, extracting and processing text from multiple PDFs				
Strategy	• Leveraged PyPDF2, LangChain, FAISS for text extraction, embedding, and retrieval, with OpenAI and Hugging Face models				
	Designed an interface with Streamlit to support file uploads, handle user queries, and responses generated by the chatbot				
Result	• Achieved a 90% accuracy rate in query responses across PDF document types, processing up to 200 pages per document				
LEADERSHIP EXPERIENCE					
Coordinator, Da	ance Club (KOS) IIT Kanpur May'23 – May'24				
Felicitated with Ce	ertificate of Appreciation by the Director, IIT-K for recognition as Coordinator, Dance Club, IIT Kanpur				
Leadership	• Directed a 3-tier team of 50+ in 4 national-level competitions and coordinated 7 campus events with 2K+ average footfall				
	Managed club finances of INR 1.2L and generated over INR 30K in additional revenue by organizing diverse workshops				
Initiatives	• Organized a 7-day Summer Workshop by tier-1 artist separately in two shifts for 50+ beginners and 30+ team members				
	Collaborated with Antaragni on a climate awareness campaign, reaching an audience of 1K+ in Kanpur's biggest mall				
Impact	Achieved a historic milestone by becoming the 1st dance team from any IIT to qualify for Indian HipHop Championship finals				
	• Garnered over 12 million+ views and amassed an impressive 40K+ subscriber base on the official Dance Club, IITK YT channel				

Marketing Management

Linear Algebra and ODE

Image processing Introduction to Machine Learning

TECHNICAL SKILLS

RELEVANT COURSES

• Programming Languages: C++, Python, HTML, CSS, LaTeX, SQL

• Software & Utilities: Fusion360, Adobe Illustrator, Adobe Photoshop, Adobe LightRoom. Microsoft Excel. Canva

• Data Science & ML: TensorFlow, Keras, NumPy, Pandas, Matplotlib, Scikit-learn, Statsmodels, OpenCV, LangChain, Streamlit

Integrated Product Development - I (ongoing)

Partial Differential Equations

Adobe Lightkoom, Microsoft Excel, Canva							
EXTRA-CURRICULAR ACTIVITIES							
Category	Competition	Achievements	Level	Year			
Performing Arts: Dance	Inter-IIT Cultural Meet	 Led the contingent which secured, 3rd position in dance battle category at IIT Madras 3rd position in group dance category at IIT Madras 	Inter-IIT	2023			
	Antaragni, IIT Kanpur	 2nd position out of 30+ teams in group dance category 2nd position out of 30+ teams in dance drama category 	National	2023			
	Antaragni, IIT Kanpur	 1st position out of 30+ teams in group dance category 1st position out of 30+ teams in dance drama category 3rd position out of 10+ teams in dance battle category 	National	2022			
	Thomso, IIT Roorkee	3 rd position out of 30+ teams in dance drama category	National	2022			
Social Work	 Tutored 20 underprivileged children in Math and English of class 5th and 6th through Prayas, IITK Mobilized funds to support children's education at Muskurahat Foundation (NGO) earning a merit certificate 						
Networking	• Campus Ambassador at Acmegrade(<i>E-Learning platform</i>) : Led 6+ successful campaigns , gaining 100+ clients 202						
Managerial	• Senior Executive (Hospitality), Techkriti - Lead a team of 50+ Junior Executives and conducted exuberant events • Secretary, Dance Club: Choreographed dance sequence for 35 freshers and managed 80+ performances at DE'23			2022			