



Prashasti Abojwar
Aerospace Engineering
Indian Institute of Technology Bombay

210010004
B.Tech.
Gender: Female
DOB: 30/03/2004

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2025	6.61

PROFESSIONAL EXPERIENCE

Sensorama Technologies Software Dev [Jun-Jul 2024]	<i>Awarded LOR for commendable contribution in developing enhanced touch user Interface of HPLC System</i> <ul style="list-style-type: none">Developed UI with data QA for a stand-alone software HPLC system using ESP32 & touch screen displayEnhanced UI using Squareline studio GUI using LVGL and TFT_eSPI libraries in Arduino C languageImplemented SD card for storing and accessing multiple user profiles, improved user experience by 35%
NullClass Edtech Data Analyst [Jul 2024]	<i>Awarded LOR for commendable contribution to build Real-time Job Analytic Portal for optimized search</i> <ul style="list-style-type: none">Reduced search time by 25%, developing precise job search solutions using 30+ Tableau charts & filtersOptimized 1.6M data analysis using NumPy and Pandas, streamlining data visualization with dashboards

TECHNICAL PROJECTS

Image Classifiers Guide: Prof. Biplab Banerjee [2024]	<i>Project 1: Leveraged adv CNN architectures to credibly enhance & improve image classification accuracy</i> <ul style="list-style-type: none">Resulted in 12% and 19% accuracy gains, refining CIFAR-100 classification using ResNet-18 & Dense-NetIncreased classification accuracy by 27% with Efficient Net B7 integrated ViT and multi-head attention <i>Project 2: Enhanced satellite image classification accuracy with adv Drop-Block regularization techniques</i> <ul style="list-style-type: none">Achieved enhanced accuracy of 98.5% in classifying multiple satellite images using CNN architecturesIncreased accuracy by (1.5-2%) using 12+ dropping methods: Dropout, Spatial-Drop, mainly Drop-Block
Founder's Office Shadow Project Quick-Commerce [2026]	<i>Simulated end-to-end Founder's Office ownership for a high-burn, high-velocity quick-commerce startup</i> <ul style="list-style-type: none">Diagnosed unit economics, burn drivers and city-level execution bottlenecks across dark-store operationsAuthored decision memos with explicit trade-offs and designed SOP, KPIs and CEO-level reporting systemsDelivered a 30-60-90 day execution roadmap aligned to measurable business outcomes with ownership
AI System to Reduce CEO Cognitive Load [2026]	<i>Built an AI-powered internal tool focused on reducing executive decision fatigue, not just automation</i> <ul style="list-style-type: none">Converted raw ops updates and metrics into founder-ready weekly summaries and priority briefsDesigned prioritization and risk-flagging logic to surface critical issues requiring immediate attentionReduced manual reporting effort while improving speed, clarity and quality of executive decision-making
Startup Efficiency Audit Self-Project [2026]	<i>Conducted a data-driven internal audit to identify hidden operational and cost inefficiencies</i> <ul style="list-style-type: none">Modeled burn, cost allocation, and output per function for a Zepto-like quick-commerce operating modelIdentified highest-impact operational and cost leaks through structured, metrics-back root-cause analysisProposed execution-ready fixes across process redesign, adjustments and targeted automation initiatives

LEADERSHIP ROLES

NCC IIT Bombay Media Head [2023-2024] Web Secretary [2022-2023]	<i>Spearheaded 30+ member 3-tier council Decorated with Cadet under Officer rank, 2nd highest rank NCC</i>
Leadership	<ul style="list-style-type: none">Led 70+ cadets as Company Captain, securing First position in overall ChampionshipAppointed Contingent Commander, leading 70+ cadets on 74th Republic Day Parade
Management	<ul style="list-style-type: none">Organized 20+ events & Annual Training Camp-410 impacting 500+ cadets and instituteInitiated Media Championship with 5+ genres and workshops for broad exposureAdded Book of Record & FAQ page, increasing visitors by 50% & boosting engagement

ACCOLADES & EXTRA CURRICULARS

Scholastic	<ul style="list-style-type: none">Achieved 99.27 percentile in MHT CET 2021 – PCM out of over 0.19 million candidates nationwideEarned 3 specialist badges from Coding Ninjas in Array, LinkedList and BST for problem-solving skills
Skills	<ul style="list-style-type: none">Strategy & Ops: problem structuring KPIs SOPsTech: C C++ SQL python React Node NextSoftware: Microsoft Office Tableau PowerBIMiscellaneous: High-Ownership Execution
Sports	<ul style="list-style-type: none">Captain of 1st Girls Kabaddi Team at IIT Bombay1st Runner up position Udghosh & Avhaan kabaddi
NCC	<ul style="list-style-type: none">Attained 'A' grade in the B and C certificate examPerformed Guard of Honour for all 3 retired chiefs
Cultural	<ul style="list-style-type: none">Special Mention as Cult Person of the year at NCCSilver in lifestyle General Championship in NCC
Social	<ul style="list-style-type: none">Mentored 200+ students at Navodaya VidyalayaLed 30+ team turn 1000+ plastic bottle - ecobricks