

EDUCATION		
•	National Institute of Technology, Silchar	Assam, India
	<i>Bachelor of Technology - Electronics and Instrumentation Engineering; CGPA: 8.47</i>	<i>July 2022 - June 2026</i>
•	Rajdhani Public School, Assam	Assam, India
	<i>HSC ; Percentage: 92</i>	<i>July 2020 - June 2022</i>
•	Pragjyotish Sr. Sec. School, Assam	Assam, India
	<i>SSC ; Percentage: 97.4</i>	<i>July 2008 - June 2020</i>

EXPERIENCE	
Intern @ IIT Guwahati	June 2025 - July 2025
<i>Field: Interferometry, Holographic Flow Cytometry & 3D Cell Imaging</i>	
<ul style="list-style-type: none">Developed a PyQt-based GUI for fringe pattern analysis and accurate parameter extraction for industrial use.Investigated holographic flow cytometry to overcome depth-of-focus constraints and adapt to microfluidic speed variations.Contributed to a slide-integrated holographic imaging system for reliable 3D cell counting.	

PROJECTS	
Image and Video Colorization	
<i>Self-Initiated Project</i>	
<ul style="list-style-type: none">Built a deep learning model to colorize black-and-white images and extended it to video using frame-wise processing.Employed Python and OpenCV for image handling, with TensorFlow for model training and deployment.	
Data Analysis Portfolio	
<i>End to end Pipeline Development</i>	
<ul style="list-style-type: none">Built ETL pipelines (Python, SQL, AI) to process and model 100,000+ records for analysis.Informed marketing strategy via dashboards, identifying a 109% revenue gap and an 80% loyal customer segment.	
Fringe Pattern Interferometry & Holographic 3D Cell Imaging	
<i>Academic-Industry Collaborative Projects</i>	
<ul style="list-style-type: none">Built a PyQt-based GUI for fringe pattern analysis and precise phase extraction for industrial use.Reconstructed flowing cell images with adaptive space-time holography, applying subpixel correction and image correlation for accurate cell counting.	

SKILLS	
• Languages & Tools:	Python, C language, MATLAB, Microsoft Excel, PowerPoint, Power BI, SQL
• Prompt Engineering:	AI driven problem-solving, leveraging tools like Copilot, Claude, n8n and many more
• Soft Skills:	Leadership, Event Management, Team Collaboration, Time Management, Critical Thinking

POSITION OF RESPONSIBILITY	
•	INSEES, NIT Silchar
	<i>Treasurer</i> July 2024 - May 2025
<ul style="list-style-type: none">Oversaw budgeting, sponsorship outreach, and public relations—managing funds while actively engaging with external stakeholders to support academic and student initiatives.	
•	BACE, NIT Silchar
	<i>Community Manager and Lead Moderator</i> July 2024 - Present
<ul style="list-style-type: none">Oversaw the operations and engagement of the community, ensuring smooth content flow and moderating discussions to maintain a constructive environment.	
•	Illuminits & Symphonits, NIT Silchar
	<i>Moderator and English Literature Head</i> July 2024 - May 2025
<ul style="list-style-type: none">Facilitated event coordination and content curation, supporting members in organizing a multitude of events, offering logistical and creative support.	

OTHER INTERESTS/EXTRACURRICULAR ACTIVITIES	
<ul style="list-style-type: none">Volunteer — Eco ClubEvent Coordinator — Incandecense, Tecnoesis, Posua etc.Art, Guitar, Spiritual Enthusiast	