

MANJIT BAISHYA M.TECH

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EDUCATION	Department of CSE, Tezpur University <i>M.Tech in Data Sciences</i> • Research Area: TinyML implementations in Medial Diagnostics • CGPA: 8.33/10.00	Tezpur, Assam, India 2024 - 2026 (<i>expected</i>)
	Department of ECE, Gauhati University <i>B.Tech in Electronics and Communication Engineering</i> • Research Area: Design of an IF Mixer for 5G Communication • CGPA: 9.45/10.00	Guwahati, Assam, India 2019 - 2023
PUBLICATIONS	<ol style="list-style-type: none">Manjit Baishya, Dr. Lachit Dutta - Tiny ML based crop recommendation system for precision agriculture 5.0 <i>Smart Agriculture Technology, ELSEVIER, 2025.</i>Manjit Baishya, Dr. Rosy Sarmah - TinyML Powered Autism Spectrum Disorder Screening Using an Optimized CatBoost Model. [under review]	
RESEARCH INTEREST	<ol style="list-style-type: none">Machine Learning and Artificial Intelligence <i>Using ML and AI techniques to solve real life problems</i>TinyML and EdgeAI <i>Optimizing ML models for on-device embedded prediction systems</i>	
PROJECTS	Edge-AQI - Virtual Sensing in Real-Time <i>On-Device Air Quality Intelligence in IIoT for Industry 4.0</i>	From 2025.07
	TinyML based Traffic Prediction for Smart Highways <i>Smart Transportation Innovations, IIoT</i>	2025.02 - 2025.07
INTERNSHIP	Research Intern IIT Guwahati, Assam, India • Research on Machine Learning Technologies for Data Security • Designing a Cognitive V2X Communication ML Framework	2025.06 - 2025.07
AWARDS	<ul style="list-style-type: none">Second Best Paper, Microelectronics Circuits and SystemsSecond Runner Up, UDBHAV 5.0 - Hackathaon	2025 2022
ACADEMIC EXPERIENCES	Teaching Assistant Tezpur University • Assisted in delivering lectures on Data Science to PG students	2025
	Laboratory Assistant Gauhati University • Assisted in delivering laboratory lectures on Digital Electronics.	2022
SKILLS	Languages: English, Hindi, Bengali, Assamese. Programming: C, C++, Embedded C, Python, MicroPython, MATLAB, R, LaTeX Technologies: Tensorflow, TFLite, PyTorch, Arduino, OpenCV	