

Mehebub Alom

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[LinkedIn](#) • [Github](#) • [Codeforces](#) • [Leetcode](#) • [Personal Portfolio](#)



PROFESSIONAL SUMMARY

Full-stack and AI-focused developer with experience delivering 10+ academic and personal projects in web development, machine learning, and embedded systems. Skilled in building LLM-based platforms, cloud-deployed applications, and scalable APIs with measurable performance benchmarks. Strong background in data structures, algorithm design and system optimization.

EDUCATION

Bachelor of Technology (AI ML) Newton School Of Technology (ADYPU), Pune	2024 - 2028 Grade: 7.59/10.0
Intermediate (Class XII) School of Basic Science	2022 - 2023 Grade: 70.0%
Matriculation (Class X) The Phoenix Academy	2020 - 2021 Grade: 71.17%

PROJECTS

Docurizzer (Github) (Demo)	December 2025
• Engineered a document summarization system using T5-Small and Hugging Face supporting 4+ formats and 5+ testers.	
• Structured an NLP pipeline that improved summary accuracy and reduced processing time by nearly 25% on average.	
• Deployed on Hugging Face using streamlit interface with average response time below 2 seconds and better rouge score.	
Online Compiler (Github) (Demo)	December 2025
• Constructed a web-based compiler supporting 3 programming languages using React and Express.js for 20+ users.	
• Executed a backend framework enabling real-time code processing with average runtime under 3 seconds.	
• Planned a responsive interface that increased practice efficiency by nearly 30%.	
Rozz (Github) (Demo)	October 2025
• Created a secure cross-platform diary application (mobile APP) tested by 15+ users with cloud-hosted storage.	
• Configured authentication and encryption mechanisms achieving 99% data reliability and secure user access control.	
• Established RESTful APIs handling 100+ daily requests across Android and iOS.	

CERTIFICATIONS

Nasa Space App Finalist Nasa (Link)	August 2025
• Led AI development for a 6-member team to build an LLM assistant with 3+ analytical modules.	
• Applied prediction and visualization tools for analysis of 50+ simulated exoplanet systems.	
• Integrated machine learning pipelines evaluated against 200+ international teams.	
Adobe India Hackathon Adobe India (Link)	July 2025
• Contributed to a national-level hackathon involving 500+ participants.	
• Applied algorithmic and system design techniques to improve solution performance by nearly 20%.	
• Completed rapid prototyping across 3 development cycles with testing and refinement.	

SKILLS

Computer Languages: Machine Learning, Python, TypeScript, HTML, CSS, JavaScript, C++, SQL

Data Tools: TensorFlow, PostgreSQL, NumPy

Software Packages: Pandas, Express JS, React Native, Prisma ORM, React, Node.js, Excel, OpenCV, MySQL, MongoDB

Others: Git and Github, Postman, UI/UX, LLM, Hugging Face, Supabase, OAuth 2.0

EXTRA-CURRICULAR ACTIVITIES

- Built and optimized autonomous robotic systems across 5+ technical competitions.
- Executed embedded control workflows integrating motors, sensors, and wireless modules.
- Developed AI-based verification tools during multiple hackathons including Mumbai Hacks.
- Coordinated testing and performance tuning within multidisciplinary engineering teams.