



PROFESSIONAL SUMMARY

Biotechnology undergraduate with hands-on experience in full-stack development, AWS cloud technologies, DevOps, and data analytics through self-driven learning. Passionate about building scalable applications, automating cloud infrastructure, and solving business problems using data and technology.

KEY EXPERTISE

Languages: JavaScript, Typescript, Python, SQL, C Cloud : AWS (ECR,ECS,EC2,S3,CloudWatch), Google Cloud
Devops: GitHub Actions, CI/CD Pipeline, NGINX, Docker, Container Orchestration
Data Engg : ETL/ELT pipeline, AWS Glue, Apache Spark, PySpark Backend: Node.js, REST APIs, Auth, WebSocket, Redis
Frontend : React.js, Next.js, Typescript , Tailwind CSS Database: MongoDB, PostgreSQL, MySQL Version Control : Git, GitHub
Data Management : Warehousing, Modeling and Optimization

EDUCATION

University Institute of Engineering and Technology

2023 - 2027

B.E. - Biotechnology | CGPA: 6.55 / 10

Dinhata Soni Debi Jain High School, Cooch Behar

2022

12th | WBCHSE | Percentage: 92 / 100

GITALDAHA HIGH SCHOOL, Cooch Behar

2020

10th | WBBSE | Percentage: 91.85 / 100

PROJECTS

DevOpsEase

12 Jan, 2026 - 31 Oct, 2026

Team Size: 1

Key Skills:

HTML CSS JavaScript Typescript React Node.js Express.js MongoDB Redis Docker WebSocket
RestAPI GitHub Actions NGINX Cloud Technologies

Project Link: <https://github.com/mamun0193/devopsease>

Built a full-stack DevOps Platform (PaaS) that automates application deployment from repository analysis to production. Features intelligent CI/CD pipelines, Docker & Kubernetes orchestration, release management, runtime observability, AI-powered deployment assistance, and a production-grade CLI.

I was working independently on this project as a full stack web developer and devops engineer.

My Responsibilities:

Developed a modular PaaS using React, Node.js, Express.js, MongoDB, and Redis.

Automated Docker, Kubernetes, and CI/CD workflows through intelligent repository analysis.

Built release orchestration, preview environments, runtime monitoring, and real-time logging with WebSockets.

Implemented GitHub webhooks, REST APIs, AI DevOps Copilot, and a production-ready Developer CLI

MetravaRx

01 Aug, 2026 - 31 Aug, 2026

Team Size: 1

Key Skills:

React.js FastAPI Python PostgreSQL SQLAlchemy Pandas ETL Data Warehousing Business Intelligence
Docker

Project Link: <https://github.com/mamun0193/metrvax>

RxIntel is a Pharmaceutical Commercial Analytics & Decision Intelligence Platform that automates ETL pipelines, commercial KPI analysis, HCP segmentation, call planning, forecasting, and executive reporting through scalable data engineering and interactive dashboards.

I independently designed and developed this project as a Full Stack Developer & Data Analytics Engineer.

My Responsibilities:

Developed a full-stack commercial analytics platform using React, FastAPI, PostgreSQL, and Clean Architecture.

Built automated ETL pipelines, a Star Schema Data Warehouse, and reusable KPI engines for commercial analytics.

Implemented HCP Segmentation, Call Planning, Marketing Analytics, Revenue Analytics, Forecasting, and Decision Intelligence modules.

Designed REST APIs, interactive executive dashboards, and exportable business reports (PDF/Excel/CSV).

Optimized database queries, backend services, and frontend performance for scalable analytics and reporting.

RetailVista

01 Aug, 2026 - 31 Aug, 2026

Team Size: 1

Key Skills: Python SQL PowerBI Excel ETL Business Intelligence Data Visualization

Project Link: <https://github.com/mamun0193/RetailVista>

RetailVista is an enterprise-grade Retail Growth Intelligence Platform that transforms retail transaction data into executive-ready business insights using Python, PostgreSQL, SQL, Power BI, and Excel. It delivers customer intelligence, product performance analytics, marketing effectiveness, and data-driven strategic recommendations through interactive dashboards and decision-support analytics.

My Responsibilities:

Designed and implemented an end-to-end analytics pipeline using Python, PostgreSQL, SQL, Power BI, and Excel.

Developed executive dashboards, advanced SQL analytics, KPI frameworks, customer segmentation, and business recommendation modules to support strategic decision-making.

Ecopulse

23 Dec, 2025 - 31 Jan, 2026

Team Size: 1

Key Skills: HTML CSS JavaScript Typescript RestAPI NextJS MongoDB Puppeteer

Project Link: <https://ecopulse-henna.vercel.app/>

Built a website sustainability analysis platform that evaluates performance, accessibility, and carbon emissions to deliver actionable optimization insights. Features automated website auditing, sustainability scoring, performance analytics, and cloud-ready architecture. I was working independently on this project as a full stack web developer.

My Responsibilities:

Developed the platform using Next.js, React, TypeScript, and Node.js.

Built website analysis, sustainability scoring, and performance optimization features.

Integrated backend APIs, optimized SSR, caching, and scalable cloud deployment.

Developed reusable components, tested, debugged, and deployed the application.

INTERNSHIPS

Suvidha Foundation | NGO / Social Services

30 Jun, 2026 - Present

Web Developer Trainee

Key Skills: Teamwork CI CD Testing Deployment MERN Stack Typescript

Collaborating with a cross-functional team to build ResearchConnect, a next-generation research collaboration platform designed to go beyond ResearchGate by integrating modern collaboration, data sharing, and AI-powered research assistance.

Developing features for researcher profiles, publication management, dataset sharing, and collaboration workspaces.

Building AI-powered tools to assist with literature discovery, research summarization, and scientific productivity.

Contributing to scalable backend services, cloud-native deployment, and secure data management using modern web technologies.

Designing a platform that connects researchers worldwide through opportunities, project collaboration, and open scientific knowledge exchange.

SEMINARS / TRAININGS / WORKSHOPS

Workshop on Line following and Gripper Bot

05 Oct, 2023 - 05 Oct, 2026

Institute Name: SAE UIET-PU x TechFest IIT Bombay

Key Skills: Aurdino Programming Embedded Systems

Attended a robotics workshop covering Arduino programming, line-following robots, and gripper bot design. Developed foundational skills in embedded systems, sensor interfacing, and robot control.

Hands on metagenomics workshop

20 Apr, 2026 - 21 Apr, 2026

Institute Name: Jigyasci Private

Key Skills: NGS overview Metagenomics Data analysis FastQC Kraken2 Krona Bioinformatics

Performed hands-on metagenomic data analysis using a standard bioinformatics workflow, including quality assessment, preprocessing, and taxonomic classification of sequencing data. Generated interactive microbial abundance visualizations using Krona and interpreted microbial community composition from real sequencing samples. Gained practical exposure to Linux-based bioinformatics tools and metagenomic analysis pipelines.

ASSESSMENTS / CERTIFICATIONS

Complete Web development Course

Provider: Udemy

AWARDS AND SCHOLARSHIPS

- Shraman Foundation Scholarship

CO-CURRICULAR ACTIVITIES

- Participated in SIH 2024 & 2025
- Technical team member of EDC(Entrepreneurship Development Cell)
- Design Team member of SBE(Society for Biological Engineers)

EXTRA CURRICULAR ACTIVITIES

- Technical analysis of financial markets.

PERSONAL INTERESTS / HOBBIES

- Travelling
- Photography
- Cooking

WEB LINKS

- Github - <https://github.com/mamun0193>
- Personal - <https://www.mamun.codes>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Boys Hostel 1, Panjab University, Sector 14,
Chandigarh-160014, Chandigarh, Chandigarh, India - 160014

Email: mamunrahaman019@gmail.com

Date of Birth: 12 Apr, 2004

Known Languages: Hindi, English,Bengali

Permanent Address: Naraynganj Road,Bhoram, P.O-
Gitaldaha,P.S-Dinhata, Coochbehar, Cooch Behar, West Bengal,
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