

Violina Das

Email: dasviolina51@gmail.com | Mobile: +91-9394004391

LinkedIn: linkedin.com/in/violina-das-91a11b229 | GitHub: github.com/dasviolina001

Portfolio: violina-portfolio-bg19.onrender.com

EDUCATION

- Regional Institute of Science and Technology (NEHU)** Meghalaya, India
B.Tech in Computer Science and Engineering 2021 – 2025
 - Relevant Coursework:** Data Structures, Operating Systems, Networking, AI/ML, Database Systems, Software Engineering
 - Summary:** Graduating with practical experience in full-stack web development, machine learning, and software development.

TECHNICAL SKILLS

- Languages:** Python, C, PHP, SQL, VB.NET
- Web Development:** HTML, CSS, JavaScript, Bootstrap
- Frameworks / Libraries:** PyTorch, XGBoost, OpenCV
- Databases & Tools:** MySQL, SQLite, Git, VS Code, Visual Studio Community
- Other Skills:** AI/ML, Text-to-Speech (TTS), Debugging, Windows & Linux Environments

EXPERIENCE

- IOCL – Indian Oil Corporation Ltd** Guwahati, India
Intern – Inventory Automation December 2023 – January 2024
 - QR-Based System:** Developed a QR-based inventory system reducing stock mismatches by 30%.
 - Process Improvement:** Digitized manual tracking processes; improved operational efficiency.
- AMTRON (Assam Electronics Dev. Corp.)** Guwahati, India
Backend Intern – E-Governance Projects August 2024
 - API Integration:** Integrated REST APIs in 2 government applications; contributed to smoother backend logic.
 - Testing and Debugging:** Collaborated in QA cycles and resolved 20+ bugs.
- APDCL – Assam Power Distribution Co. Ltd** Guwahati, India
Telecom Intern – PBX System Study December 2024 – January 2025
 - PBX Optimization:** Analyzed internal call routing system; reduced call resolution time by 15%.
 - Report Compilation:** Documented system workflow for future IT planning.

PROJECTS

- AI Translation Chatbot:** Seq2Seq + Attention model in PyTorch to translate English–Assamese/Bodo with 95%+ accuracy. Includes TTS and browser UI. [GitHub-bilingual-translator-ai]
- Real-Time Automated Person Detection And Alert System:** Developed a real-time surveillance system using YOLO for face detection and DeepFace for facial recognition; achieved 90%+ match accuracy to identify missing/wanted individuals and trigger instant alerts. [GitHub-Real-Time Automated Person Detection And Alert System]
- MediShop – E-Pharmacy:** Responsive pharmacy site using HTML/CSS/JS/PHP with cart, product listing, and checkout flow. [GitHub-MediShop]
- Sivcon Commercial Site:** SEO-optimized client website with 90+ PageSpeed. Built for live commercial use. sivcon.in, [GitHub-sivcon]
- NYC Taxi Fare Predictor:** Trained XGBoost on 50k+ rows; achieved RMSE = 3.2, $R^2 = 0.84$. [GitHub-NYC Taxi Fare]
- Shopping Mall Management System:** VB.NET + SQL billing app with secure access and support for 1000+ product records. [GitHub-SMMS]
- Vaccine Uptake Predictor:** Built ML models (XGBoost + CatBoost) for vaccine classification with 82% ROC-AUC. [GitHub-Vaccine prediction]

CERTIFICATIONS

- Python Programming:** Internshala
- Artificial Intelligence:** YHills (2-month internship)
- C Programming:** Great Learning
- Blockchain Seminar:** Skill-Lync Workshop
- Generative AI with ChatGPT:** Udemy

ACTIVITIES

- Seminar:** Attended IITG Semiconductor Workshop
- Cultural:** Performed in inter-college dance, modeling, and acting events