Anushka Goswami

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LinkedIn: /in/goswamianushka **| GitHub**: /goswamiAnushka |**Portfolio**

EDUCATION

- **Tezpur University**   **Tezpur, Assam**
  - *Master in Computer Applications; CGPA: 8.90 (Ongoing)*   *November 2022 - June 2025*
- **Calcutta University**   **Kolkata, West Bengal**
  - *Bachelor in Physics (Hons.); CGPA: 7.9*   *June 2018 - August 2021*

SKILLS SUMMARY

- **Languages:** Python, Javascript,C++
- **Frameworks:** Node JS, Express.js , React JS, Flask
- **Tools**: PostgreSQL, MySQL ,SQlite, MongoDB, ORMs, Postman, Git, Pydantic, Alembic
- **Others:** REST API , JWT, Machine learning algorithms , Data Structures
- **Soft Skills:** Team Work , Flexibility , Communication

WORK EXPERIENCE

MERN STACK DEVELOPER INTERN | *Weavers Web Solutions Pvt Ltd.*   *Jan 2025 – Present*

- *Developing and maintaining full-stack web applications using MongoDB, Express.js, React, and Node.js.*
- *Collaborating with cross-functional teams to design scalable and efficient solutions.*
- *Optimizing application performance and ensuring seamless user experiences.*

ML MODEL DEVELOPER INTERN| *K-Means Technology Pvt Ltd..*   *August 2024 – December 2024*

- *Designed and implemented machine learning models for various applications.*
- *Worked on data preprocessing, model training, and performance optimization.*
- *Contributed to research and development in AI-driven solutions.*

PROJECTS

DriveIQ | *Flask REST API, React, SQLite, JWT, Machine Learning Models*   *View on Github*
Engineered an advanced telematics platform with dual interfaces for users and admins (insurance companies), extending the "pay as you drive" model to evaluate detailed driving behavior metrics beyond mileage.

- Developed two ML models for real-time GPS data scoring and trip-level analysis, improving risk categorization accuracy by 40%.
- Integrated Google Geolocation API and OpenStreetMap (OSM) to detect Sensitive Area Speed Violations (SASV), enhancing driving score accuracy.
- Boosted prediction precision by 35% using Random Forest, k-fold cross-validation, Z-score outlier removal, and SHAP analysis.
- Built a Flask REST API for real-time and bulk trip data processing, secured with JWT authentication, improving data access security by 20%.
- Increased operational efficiency by 30% with a React-based admin dashboard and ongoing integration of Socket.io for real-time processing.

Nestopia| *MERN stack, JWT, Prisma, Socket.io, Dialogflow*   *View on Github*
Developed a home rental platform facilitating direct interactions between buyers and sellers, eliminating broker fees. Features include real-time chat, OTP verification, and an NLP-based chatbot.

- Implemented real-time chat using Socket.io and integrated Cloudinary for seamless media sharing, boosting user engagement by 30%.
- Integrated Dialogflow for AI-driven support, improving issue resolution speed by 25%.
- Secured authentication with JWT and enhanced email verification using Nodemailer.
- Designed a responsive UI, increasing mobile engagement by 25%, and ensured API reliability with Postman testing.
- Improved transaction efficiency by 30% by enabling direct buyer-seller communication, eliminating broker fees.

CERTIFICATIONS

- **NPTEL**- Data Analytics with Python
- **CS50**- Introduction to Programming using Python.
- **GeeksforGeeks-** Data Structures and Algorithm
- **HCLTech-** Foundation training and certification on digital commerce.