

Anushka Goswami

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LinkedIn: [/in/goswamianushka](#) | **GitHub:** [/goswamiAnushka](#) | **Portfolio**

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

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 machine learning models: one for real-time GPS data scoring and another for consolidated trip-based analysis, boosting risk categorization accuracy by 40%.
- Built a robust Flask REST API backend that serves as a bridge between the machine learning models and the React frontend, leveraging Random Forest classification, k-fold validation, Z-score outlier removal, and bootstrap sampling for high-precision driver behavior predictions (safe, moderate, risky) with scores.
- Used Postman for comprehensive API testing, streamlining functionality checks and accelerating feature rollouts by 25%.
- Integrated JWT for secure, scalable user authentication, and crafted a dynamic React frontend with real-time trip insights and a comprehensive admin dashboard, increasing operational efficiency by 30%.
- Enhanced user experience with a React-built chatbot for seamless registration support, elevating issue resolution speed and improving customer satisfaction by 20%.
- Currently integrating Socket.io and WebSocket for real-time background processing, while transitioning the platform to a Progressive Web App (PWA) for offline functionality and enhanced responsiveness.

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.

- Engineered real-time communication using Socket.io and integrated Cloudinary for media sharing, resulting in a 30% boost in user engagement.
- Enhanced support interactions by integrating Dialogflow, improving issue resolution speed by 25%.
- Utilized Nodemailer for OTP generation, enhancing security and user verification processes.
- Secured user authentication with JWT for 100% secure login sessions.
- Crafted a responsive design for optimal user experience across devices and used Postman for API testing.
- Increased transaction efficiency by 30% by eliminating broker fees through direct communication.

City Cruisers | *HTML, SCSS, JavaScript, PHP, MySQL, LESS*

[View on Github](#)

A full-stack **Bus Reservation System**, offering a user-friendly interface with location-based filtering, payment processing, and e-ticket generation.

- Designed the front-end using HTML, CSS, and JavaScript for a seamless user experience.
- Implemented backend services with PHP and MySQL for database management.
- Designed a responsive layout using Bootstrap, increasing mobile traffic by 40%.
- Included an admin dashboard for visualizing bookings and bus data.

EDUCATION

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| • Tezpur University | Tezpur, Assam |
| ◦ <i>Master in Computer Applications; CGPA: 8.84 (Ongoing)</i> | Nov. 2022 - June. 2025 |
| • Calcutta University | Kolkata, West Bengal |
| ◦ <i>Bachelor in Physics (Hons.); CGPA: 7.9</i> | June. 2018 - August 2021 |

CERTIFICATIONS

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