

# SWAGATAM BISWAS

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Highly skilled Full-Stack Developer with expertise in JavaScript, Python, and cloud technologies (AWS, GCP). Proven ability to deliver impactful web applications, including a CRM and high-performing landing pages. Experienced in API integration, data analysis, and AI chatbot development, with published research in machine learning and autonomous vehicles.

## TECHNICAL SKILLS

<b>Languages:</b>	JavaScript, Python, C, C++, TypeScript
<b>Databases:</b>	MongoDB, MYSQL, SQL, Redis, PostgreSQL, Firebase, Convex
<b>Frameworks:</b>	React.js, React Native, Node.js, HTML, CSS, Next.js, Express.js, GraphQL, jQuery, REST APIs
<b>Cloud Services:</b>	AWS, Docker, Git, Jenkins, Kafka
<b>Tools:</b>	Postman, Redux, Zustand, Drizzle, LLM, RAG, JWT, Bcrypt, Shadcn, MaterialUI, Jest, Cypress

## PROFESSIONAL EXPERIENCE

### Full-Stack Developer

HeyCoach | Karnataka, India, Onsite

03/2024 - 08/2024

- Developed CRM with **React.js & TypeScript**, increasing user adoption by 20%.
- Managed application state using **Redux** and performed API testing with **Postman**.
- Analyzed sales trends with **Python (Pandas, NumPy)** and visualized data with **Matplotlib & Seaborn**.
- Utilized **SQL (MySQL)** to extract and analyze data, contributing to a 15% increase in client acquisition.
- Implemented **REST API** integrations using **Node.js (Express.js)**, improving operational efficiency by 25%.
- Deployed and managed applications on **AWS (EC2, Lambda)** for scalability and reliability.

### Product Web Developer

Emerging Brilliance Academy Pvt. Ltd. | Birmingham, UK, Remote

11/2021 - 12/2023

- React.js & Tailwind CSS** landing pages: 35% conversion rate increase.
- Implemented secure **payment APIs**: 40% transaction error reduction.
- Tech-driven enrollment strategies: 400% revenue growth, 50% student retention increase.

### AI Intern

AI Labs | Kolkata, India, Remote

06/2020 - 09/2020

- GCP-based AI chatbot**: 60% response time reduction, 40% user satisfaction increase, 30% data retrieval speed improvement.

## PROJECTS & PUBLICATIONS

- GitHub Tracks | [Link](#) | **Node.js, Express, GitHub API, Next.js, Typescript, Tailwind CSS, Firebase**
- Motion Prediction for Autonomous Vehicles from Lyft Dataset using Deep Learning**, IEEE, 2020
- Machine Learning-Enabled Human Activity Recognition System for Humanoid Robot**, Springer, 2021
- Prediction of Traffic Movement for Autonomous Vehicles**, Springer, 2021
- Lyft 3D object detection for autonomous vehicles**, Elsevier, 2021

## EDUCATION

### Bachelor of Technology in Robotics and AI

The Neotia University

08/2017-05/2021

CGPA: 8.4/10