europass



Soham Chatterjee

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WORK EXPERIENCE

FULL STACK WEB DEVELOPER INTERN – BRANDIT CONSULTANCY – 10/06/2025 – 05/09/2025 – KOLKATA, INDIA

Business or Sector: Information and communication | **Email:** sales@branditconsultancy.in | **Website:** https://branditconsultancy.in/

- Developed **full-stack web applications** using HTML, CSS, Bootstrap, jQuery, Ajax, PHP, and MySQL, delivering dynamic and scalable web solutions.
- Designed and optimized **responsive websites** with improved performance and SEO integration to enhance user experience and search visibility.
- Contributed to **multiple client projects** including Dakshinpara Durgotsab Committee, Tolly9 Banquets, Eyespot Infotech,BFS Salon & Spa and Hoarding Company websites.
- Managed **database schema design, server deployment, and CMS development**, ensuring efficient backend performance and maintainability.

PROJECTS

01/06/2025 – 01/06/2026

AI Driven Framework for Optimizing Renewable Energy

- Designed an IoT-based single-axis solar tracking system using an ESP32 microcontroller, LDR sensors, and an integrated battery storage microgrid to maximize solar energy harvesting.
- Developed a Machine Learning forecasting model (Random Forest Regressor) in Python to predict hourly electricity demand based on weather data, achieving a 97.71% R^2 Score and high prediction accuracy.
- Built a full-stack web dashboard (Flask, HTML5, Chart.js) and utilized the Blynk IoT platform to monitor real-time system telemetry, energy generation, and AI consumption forecasts.
- Implemented software-defined auto-calibration algorithms to filter sensor noise and optimize hardware performance for smart-grid applications.

10/06/2025 – 05/09/2025

Tolly9 Banquets – Banquet Booking Website

- Built a **dynamic banquet website** with backend functionality to showcase **services, halls, and booking details**.
- Implemented **responsive UI using Bootstrap and jQuery** for seamless cross-device accessibility.
- Integrated **SEO optimization and performance improvements** to increase online visibility.

Link https://tolly9.com/

10/06/2025 – 05/09/2025

Dakshinpara Durgotsab Committee – Dynamic Event Website

- Developed a **dynamic festival website** with backend integration using **PHP, MySQL, HTML, CSS, Bootstrap, and jQuery**.
- Implemented **event information pages, gallery, and announcements** to improve community engagement.
- Optimized the website for **mobile responsiveness and faster loading performance**.

Link https://dakshinparadurgotsab.com/

10/06/2025 – 05/09/2025

Eyespot Infotech – Corporate Business Website

- Developed a **dynamic company website with backend support** using **PHP and MySQL**.
- Designed **modern responsive layouts** to present company services and portfolio effectively.
- Improved **site performance and SEO**, enhancing client reach and digital presence.

Link https://eyespotinfotech.com/

SKILLS

Java (computer programming) | Python (computer programming) | PHP | MySQL | JavaScript | style sheet languages | use software libraries | web programming | use markup languages

EDUCATION AND TRAINING

01/10/2022 – CURRENT Kolkata, India

BACHELOR OF TECHNOLOGY Maulana Abul Kalam Azad University of Technology

Field of study Computer Science and Engineering | **Final grade** 7.88

01/05/2020 – 01/05/2022

HIGHER SECONDARY SCHOOL CERTIFICATE GRADE 12 Apeejay School Park Street

Final grade 82%

21/06/2018 – 18/03/2020

SECONDARY SCHOOL CERTIFICATE GRADE 10 South Point High School

Final grade 86%

LANGUAGE SKILLS

Mother tongue(s): **BENGALI**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
GERMAN	A2	A2	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

VOLUNTEERING

01/04/2024 – 01/04/2026 Kolkata

Volunteer | Rotary Club of Calcutta West Ridge

Public Health & Awareness: Organized pediatric health check-ups and eye testing camps, and led extensive awareness campaigns across schools focusing on Thalassemia prevention, Polio vaccines, infant nutrition, and cervical cancer prevention.
Community Support & Relief: Coordinated the distribution of essential resources—including desktop computers, water filters, and winter clothing—to underprivileged students, as well as woolen blankets to daily wage laborers in South Calcutta and New Town.
Environmental Initiatives: Contributed to environment and pollution control projects by successfully organizing tree plantation drives for saplings and fruit-bearing trees.
Core Competencies: Recognized by club leadership as a disciplined, diligent, empathetic, and highly energetic contributor throughout a year-long commitment to community service.