# Supratim Ghosh

Phone: 7059453686 | Email: ghoshsupratim7@gmail.com
LinkedIn: https://linkedin.com/in/supratim-ghosh-33852a161/ | GitHub: https://github.com/SupratimGhosh
Location: Kolkata, India

## Career Objective

Aspiring Data Analyst and AI/ML Engineer with a deep interest in machine learning, artificial intelligence, and data analytics. Looking to contribute innovative solutions by leveraging my strong programming skills, academic foundation, and hands-on experience in backend development and data-driven projects. Seeking an internship to apply my technical knowledge and continue learning in a dynamic environment.

## Education

Heritage Institute of Technology
*Bachelor of Technology (B.Tech)* | Information Technology (IT) Major
2022 – 2026
1st Year YGPA: 7.26 | 2nd Year YGPA: 8.4 | 5th Semester SGPA: 9.05 | 6th Semester Ongoing

St. Xavier's Collegiate School, Park Street
*Class 12 (ICSE)*
2021 | 88%

Carmel School, Sarangabad
*Class 10 (ICSE)*
2019 | 94%

## Skills

- Programming Languages: Python, Java, C, JavaScript, SQL (OracleDB, MySQL), NoSQL (MongoDB, SQLite)
- Machine Learning/AI Libraries: TensorFlow, OpenCV, NumPy, Pandas, Scikit-learn
- Web Technologies: HTML, CSS, JavaScript, JSP, React Native
- Cloud Technologies: AWS (Amazon Web Services)
- Tools & Software: Git, Docker, Jupyter Notebook, Google Colab, Power BI
- Databases: Oracle, MySQL, MongoDB, SQLite

- Other Skills: Microsoft Excel, Data Analytics, Backend Development, AI Ethics, Responsible AI

## Certifications

Machine Learning Specialization by Stanford University (Coursera)
- Courses: Supervised Learning, Unsupervised Learning, Advanced Learning Algorithms
- Gained expertise in machine learning concepts including regression, classification, clustering, neural networks, and deep learning.
- Hands-on experience with Python libraries such as NumPy, Pandas, and Scikit-learn for data manipulation and model implementation.

## Projects

1. Food Ordering and Delivery System Website
- Developed a responsive web application for online food ordering and delivery.
- Utilized HTML, CSS, JavaScript for the frontend, and JSP (Java Server Pages) for backend server-side scripting.

2. Lost Person Recognition and Crowd Control System (Under Development)
- Designing a facial recognition-based system aimed at locating missing individuals during large mass gatherings and assisting in crowd management.
- Planning backend development using Python with machine learning model integration; frontend development planned with modern web technologies.

3. Indoor Navigation System for Confined Spaces (Prototype Completed)
- Collaborated on developing an indoor navigation solution to guide users through large indoor environments such as railway stations and airports.
- Implemented backend services in Python and created the mobile application using React Native.
- Integrated Bluetooth beacons and Wi-Fi triangulation techniques for real-time indoor positioning and navigation.

## Achievements

• Achieved 94% in Class 10 (ICSE Board) from Carmel School, Sarangabad, showcasing strong academic fundamentals and consistency.
• Achieved 88% in Class 12 (ICSE Board) from St. Xavier's Collegiate School, Park Street, demonstrating academic excellence in higher secondary education.
• Completed the 'Machine Learning Specialization' by Stanford University on Coursera, covering supervised, unsupervised, and advanced learning algorithms.
• Participated in HackHeritage (college-level hackathon event modeled after Smart India

Hackathon), enhancing practical problem-solving and collaborative development skills.
• Successfully developed functional prototypes for real-world challenges, including a Lost Person Recognition System and an Indoor Navigation Solution.
• Demonstrated consistent academic improvement during B.Tech with a significant rise in YGPA and SGPA over semesters.

## Extracurricular Activities

• Former competitive swimmer with active participation in several competitions organized by the club, demonstrating a strong interest in the sport.
• Karate enthusiast with several accolades, showcasing discipline, focus, and resilience.
• Active participant in college hackathons and tech events, fostering teamwork and real-world problem-solving skills.
• Passionate about technology innovation and continuous learning beyond academic curriculum.
• Interest in emerging fields like AI Ethics and Responsible AI, reflecting a forward-thinking approach to technology.