

SOHAM GHOSH

AI & DATA SCIENCE ENTHUSIAST

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Kolkata, West Bengal

CAREER OBJECTIVE

Passionate AI/ML enthusiast with a strong interest in data analytics, machine learning, and intelligent systems. Skilled in transforming data into actionable insights and building solutions using Python, SQL, Power BI, and modern AI technologies. Interested in NLP, deep learning, and real-world problem solving through technology.

EDUCATION

Bachelor of Technology in Computer Science & Engineering- Artificial Intelligence & Machine Learning
BRAINWARE UNIVERSITY 2023- Present

CGPA till 5 semesters: 8.89

Secondary (ICSE): 91.6% | Higher Secondary (ISC): 91% 2006-2023
St. Xavier's Institution

PROFESSIONAL EXPERIENCE

Data Analytics Intern | INFOTACT SOLUTION (Remote) [May. 05, 2026 - Present]

- Analyzed and cleaned data using Python, SQL, and Excel to generate insights through EDA.
- Developed Power BI dashboards and automated reports to support data-driven decisions.

AI Intern | TranQuiex (Remote) [April. 09, 2026 - Present]

- Developed and optimized machine learning models using Python (Pandas, NumPy, Scikit-learn) for real-world applications.
- Performed data preprocessing, cleaning, and exploratory data analysis (EDA) to improve model performance and accuracy.

AI Intern | Samsung Innovation (Hybrid) [Sep. 03, 2025 - Nov 15, 2025]

- Worked on artificial intelligence and machine learning concepts, including data preprocessing, model training, and evaluation.
- Gained hands-on experience through real-world projects, collaborating in a hybrid learning environment with industry-oriented tools and workflows.

TECHNICAL PROJECTS

1. FitAI – AI Gym & Fitness Assistant [Dec. 02, 2025 - Dec 14, 2025]

- Developed a role-based AI fitness platform for workout tracking, BMI/calorie calculation, and progress analytics.

Tech Stack: Python, FastAPI, PostgreSQL, SQLAlchemy, Alembic, HTML, CSS, JavaScript, REST APIs, Chart.js.

Git Repo: <https://github.com/sohamghosh1762-max/AI-Gym---Fitness-Assistant>

2. MindMate AI (Mental Wellness Support System) [Nov. 25, 2025 - Dec. 31, 2025]

- Developed an offline-capable AI mental wellness web app offering chat support, breathing exercises, and study assistance.

Tech Stack: Python, Flask, TinyLLaMA (GGUF), ctransformers, HTML, CSS, JavaScript, Chart.js, Local Storage.

Git Repo: <https://github.com/sohamghosh1762-max/AI-POWERED-MENTAL-HEALTH-SUPPORT-FOR-STUDENTS>

3. AI-Based Medical Chatbot for Symptom Checking [Oct. 10, 2025 - Nov 15, 2025]

- Developed an AI-assisted health support system with symptom triage, emergency detection, chatbot guidance, and doctor appointment booking.

Tech Stack: HTML, CSS, JavaScript, rule-based AI logic, and browser local storage; features include a Symptom Triage Wizard, and Doctor Booking System and Admin Panel.

Live: <https://ai-medical-hub.onrender.com/>

TECHNICAL SKILLS

Programming Languages: Python, Java, C

Frontend Development: HTML, CSS, JavaScript

Data Analysis: Pandas, NumPy, Data Cleaning, Exploratory Data Analysis (EDA)

Data Visualization: Matplotlib, Seaborn

Machine Learning: Scikit-learn (Regression & Classification - Basic)

AI / NLP: Natural Language Processing (NLP - Basics)

Backend Development: Flask, REST API Development (Basic)

Databases: MySQL, SQLite

Tools: Power BI, Git, GitHub, Google Colab, VS Code

SOFT SKILLS

Problem Solving and Analytical Thinking

Communication and Presentation Skills

Team Collaboration and Coordination

Leadership and Responsibility

Time Management and Adaptability

Critical Thinking and Decision Making

PUBLICATIONS & RESEARCH

BOOK PUBLICATIONS

• Java Interview Secrets (Part 2) – NITILS Publication, Jul 2025

• The Ultimate Python Question Bank (Part 01 & 02)—NITILS Publication, Jun 2025

Links: [Java Interview Secrets P: 02](#) | [Python Question Bank P: 01](#) | [Python Question Bank P: 02](#)

RESEARCH PAPERS

• AI-Assisted Coronary Artery Disease Diagnosis — ICCRET 2K25, Excel India Publishers, Brainware University [Feb. 2025]

• Drones & IoT for Crop Protection and Productivity—ICCRET 2K25, Excel India Publishers, Brainware University [Feb. 2025]

• Indian Knowledge System Integration in Digital Era — National Academic Symposium, Nalanda University [Nov. 2024]