

Sourav Bhattacharya



Vill+P.O Chhotobainan, P.S Madhabdihi, Purba Bardhaman, West Bengal, India, 713423

+91 8159058135 | souravbhattacharya8159@gmail.com | [LinkedIn](#) | [GitHub](#)
[Leet Code](#) | [Portfolio](#)

Summary

Motivated and detail-oriented 4th-year Computer Science & Engineering student with a strong foundation in software development, Python programming, and emerging technologies. Passionate about building scalable solutions and continuously expanding technical expertise through hands-on projects and research. Seeking opportunities to apply and grow skills in **Software Engineering**, **Data Science**, **Machine Learning**, or **data-driven** domains.

Projects & Experience

Personal Software Development Projects (Independent Developer) Bishnupur, West Bengal

- **ATLAS : AI Desktop Virtual Assistant:** Developed a Python-based desktop AI assistant integrating LLM inference, speech recognition, NLP, automation, and voice interaction.
- **FACE RECOGNITION SYSTEM:** An AI model is matching user's face from the stored database, gender – age – emotion detection
- **CUSTOMER CHURN PREDICTION:** Developed a machine learning-based application to predict customer churn using Python, data preprocessing, feature engineering, machine learning algorithms, and interactive data visualization.
- **AI-INTEGRATED CHESS GAME:** Developed an AI-powered chess application integrating Python, Stockfish, computer vision, and automated move detection.

Education

- **Mallabhum Institute of Technology**, Bishnupur, Bankura, West Bengal September 2023 – August 2027
Bachelor of Technology (B.Tech), Computer Science & Engineering (CSE)
- **Chhotobainan High School (H.S)**, Purba Bardhaman, West Bengal Passed out - May 2023
Higher Secondary Education with PCMB – 74%
- **Chhotobainan High School (H.S)**, Purba Bardhaman, West Bengal Passed out - July 2021
Secondary Education – 83.85%

Technical Skills

- **Programming Languages:** Python | SQL | HTML, CSS, JS (Fundamentals) | C (Fundamentals) | Java (Fundamentals)
- **Data Science:** NumPy, Pandas, Matplotlib, Scikit-learn
- **Web Development:** Flask, Django
- **AI/ML:** Machine Learning, NLP, Computer Vision, LLMs
- **Databases:** MySQL, SQL
- **Core Competencies:** Data Structures & Algorithms, Object-Oriented Programming(OOP)
- **Tools & Platforms:** Git | GitHub | VS Code | MySQL | Linux (Basic)
- **Domains of Interest:** Software Development, Automation, Machine Learning, Data Science
- **Soft Skills:** Project Engineering, Analytical Research, Technical Problem Solving, Team Collaboration