

Snehashis Das

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)



Profile Summary

Aspiring Software Developer with hands-on experience in building real-time applications using Python, Flask, Streamlit, and MongoDB. Strong understanding of backend development, API design, data structures, and machine learning models using TensorFlow and OpenCV. Passionate about writing clean, efficient code and delivering scalable, user-focused software solutions.

Technical Skills

- **Languages:** Python
- **Web:** HTML, CSS
- **Database:** SQL, MongoDB
- **Tools/Frameworks:** Flask, Pandas, Git, GitHub, TensorFlow, OpenCV, Streamlit
- **Soft Skills:** Problem Solving, Analytical Thinking, Communication

Education

B.Tech – Information Technology

Seacom Engineering College, MAKAUT | 2022–2025 | CGPA: 7.0

Diploma in Engineering- WBSCTE | 2019–2022 | 83.7%

Higher Secondary Education – Howrah Zilla School, West Bengal | 2019 | 62%

Secondary Education – Howrah Zilla School, West Bengal | 2017 | 65%

Projects

Banking Management System | Flask + MongoDB | [\[GitHub\]](#)

- Developed a secure role-based banking system (Admin, Employee, Customer) in Flask with authentication, session management, and automated user onboarding with unique User IDs.
- Built account creation, credit/debit transactions, real-time balance updates, dashboards for users and admins, and login/activity tracking with system statistics.
- Integrated SMTP email alerts and monthly reports, and generated downloadable 6-month transaction history charts using Matplotlib.
- **Tech:** Python, Flask, MongoDB, Matplotlib, SMTP, REST APIs, Git

Emotion Detection Using Facial Expressions | [\[GitHub\]](#)

- Developed a real-time emotion recognition web app using a custom 5-layer CNN on the FER-2013 dataset.
- Integrated webcam & image upload support with confidence visualization in Streamlit.
- Applied preprocessing with OpenCV, achieved 70% test accuracy.
- **Tech:** Python, TensorFlow, Keras, OpenCV, Streamlit, Git

Weather Dashboard | [\[Live Demo\]](#) | [\[GitHub\]](#)

- Developed a responsive, feature-rich weather app.
- Integrated the OpenWeatherMap API to fetch real-time weather and forecast data.
- Implemented dynamic UI features, including animated icons and a background that changes with the weather.
- **Tech:** HTML, CSS, REST APIs, Git, Vercel

Certifications

Complete Machine Learning & Data Science Program – GeeksforGeeks

26-week intensive program covering Python, ML algorithms, data preprocessing, visualization, model deployment, and DSA fundamentals.

Languages Known

English: Proficient (Read, Speak, Write), **Hindi:** Beginner (Speak), **Bengali:** Proficient (Read, Speak, Write)