# SNEHASHIS DAS

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## PROFILE SUMMARY

Aspiring Software Engineer with experience in **Java**, **Python**, and **Data Structures**. Built real-time and data-driven applications using **TensorFlow**, **OpenCV**, and **Streamlit**. Hands-on in machine learning, data analysis, and web development. Strong with **Git**-based version control and team collaboration.

## TECHNICAL SKILLS

**Languages: Java**, **Python**
**Web:** HTML, CSS, JavaScript
**Database:** MySQL, SQL
**Tools/Frameworks: TensorFlow**, **OpenCV**, **Streamlit**, **Git, GitHub**, Tableau
**Core CS: Data Structures & Algorithms**, **Object-Oriented Programming (OOP)**
**Soft Skills:** Problem Solving, Analytical Thinking, Communication

## EDUCATION

**B.Tech in Information Technology**, Seacom Engineering College, MAKAUT — 2022 – 2025
CGPA: 7.0

**Diploma in Engineering**, Engineering Institute for Junior Executives, WBSCTE — 2019 – 2022
Percentage: 83.7%

**Higher Secondary (WBCHSE)**, Howrah Zilla School — 2019
Percentage: 62%

**Secondary (WBBSE)**, Howrah Zilla School — 2017
Percentage: 65%

## PROJECTS

**Weather Dashboard** (Live Demo) (GitHub)
• Developed a responsive, feature-rich weather app using **JavaScript**
• Integrated the **OpenWeatherMap API** with 'async/await' to fetch real-time weather and forecast data
• Implemented dynamic UI features, including animated icons (**Skycons.js**) and a background that changes with the weather
• Engineered client-side persistence for user preferences (dark/light mode, search history) using **localStorage**
*Tech: JavaScript, HTML, CSS, REST APIs, Git, Vercel*

**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* **(June 2025)**

**GDP Analysis**
• Engineered a data pipeline with **Pandas** to clean, process, and analyze national GDP data
• Created visualizations with **Matplotlib** and **Plotly** to identify and report on key economic trends
*Tech: Python, Pandas, Matplotlib, Plotly* **(July 2024)**

## CERTIFICATIONS

**Complete Machine Learning & Data Science Program – GeeksforGeeks**
(26-week program: **Python**, **ML algorithms**, data preprocessing, model deployment, and DSA)

## LANGUAGES

**English:** Proficient **Hindi:** Beginner **Bengali:** Proficient