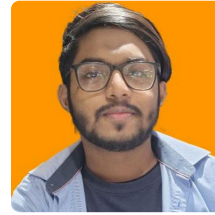


# SK SAHIL

Full Stack Developer | Coding Tutor | AI & Data Enthusiast

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[github/programmer-sahil](https://github.com/programmer-sahil) Kolkata, India



## SUMMARY

Passionate coding tutor with strong expertise in programming, prompt engineering, and AI tools. Proven ability to teach 30+ students per semester with clarity and precision. Enthusiastic about data science, with hands-on experience in web development and visualization. Always eager to learn and grow—currently seeking full-time opportunities to apply skills and contribute to impactful tech projects.

## ACADEMIC PROJECTS

### Advanced Data Visualization & Machine Learning Portfolio

04/2025 - 05/2025

[https://github.com/programmer-sahil/Data\\_Science\\_Projects.git](https://github.com/programmer-sahil/Data_Science_Projects.git)

Python3, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, SciPy

- Built two data science dashboards showcasing 20+ advanced visualizations in fractals, regression, time series, PCA, and Monte Carlo simulation. Applied ML models (Random Forest, K-Means) and statistical tests using NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, SciPy.
- Portfolio-ready project that boosted GitHub traffic by 50% and was featured in academic workshops and tutorials.

### Ecommerce Website using MERN Stack

2024

[https://github.com/programmer-sahil/MERN\\_Stack\\_Ecommerce\\_University\\_Project\\_IU](https://github.com/programmer-sahil/MERN_Stack_Ecommerce_University_Project_IU)

Frontend: ReactJS, Tailwind CSS | Backend: NodeJS, ExpressJS | API: PayPal Sandbox, Cloudinary | Database: MongoDB

- Developed an intuitive e-commerce website using the MERN stack, featuring user registration, product catalog, checkout, and secure payment processing. Designed for both shoppers and admins, the platform ensures a responsive interface and scalability.

### SQL Project: Build a database for Airbnb Platform

2024

[GitHub](#)

Designed and implemented a relational database management system for an Airbnb use case, focusing on:

- Conducting requirements analysis. Creating an Entity-Relationship Model ERM with over 20 entities. Documenting SQL statements and developing test cases for validation

## EDUCATION

### Bachelor's in Computer Science

IU International University of Applied Sciences

2022 - 2026 Berlin, Germany

- Completed 6 semesters with good grades
- Wrote Thesis on LLM & Agentic AI. Built 3 industry-level projects and authored 4 research papers
- Gained strong expertise in Java, Python, JavaScript, Web & Database Development, DSA, Networking, OS, and Cybersecurity

Percentage

85% / 100%

### Diploma in Engineering, Computer Science & Technology

Technique Polytechnic Institute

06/2022 Hooghly, India

- Covered Python, Java, C, DSA, DBMS, OOP, IoT, ML, Full-Stack Development, Practical exposure through 2 development internships
- Strong foundation in Networking, OS, Microprocessor, Automata, and System Design

Percentage

87% / 100%

## EXPERIENCE

### Part-time Coding Tutor

Tech-T

01/2024 - Present

Remote

<https://tech-t.in/>

Python, C Programming, Basic DSA

- Taught Diploma Engineering students (Computer Science & Technology) in batches of 20–35 per semester, focusing on foundational coding problems and basic concepts of Data Structures & Algorithms.

### Part-time Coding Tutor

National Youth Computer Training Institute

01/2023 - Present

Bandel & Chandannagar

<https://nycta.in/>

[LinkedIn](#)

Diploma Engineering Tutorials, JAVA, IT, Python3

- Taught coding to over 30 students per semester.

## SKILLS

Python

NumPy

Matplotlib

React.JS

Seaborn

EXCEL

Scikit-learn

Git

JavaScript

Tailwind CSS

GitHub

Django

Presentation Skill

Java

Pandas

Canva

Statistics

MySQL

Object-Oriented Programming

Database Design

Linux

Node.JS

ExpressJS

PayPal Sandbox

AI Tools

Prompt Engineering

RESTful APIs

System Design

## LANGUAGES

English

Native



Hindi

Proficient



Bengali

Native



## EDUCATION

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**Class 12th Higher Secondary, Pure Science**  
**Bansberia High School, Hooghly, West Bengal**

📅 2020 📍 Bansberia

- Completed Physics, Chemistry, Math, Computer Applications & English with high grades
- Learned HTML5, SQL, Excel, PowerPoint, and developed early problem-solving skills

Percentage

83% / 100%

## LANGUAGES

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**German**

Intermediate



## PROFESSIONAL CERTIFICATION

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**Generative AI from Microsoft & LinkedIn**

Career Essentials in Generative AI by Microsoft and LinkedIn

**Full Stack Web Development Certification**

Edureka | One of largestest Institutions India | MERN Stack

**A-1 Month Personality Development Workshop at Hyderabad, India**

Trainer: Munawar Zama | Improved Public Speaking Skills, Communication & Behavioural Skills