

# Snehil Sharma

B.Tech Student  
Computer Science and Engineering  
Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar

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LinkedIn | Github | Website

## PROFILE

Self-starter and go-getter Computer Science student with a strong foundation in computer science principles, programming languages, and software development. Eager to contribute to innovative projects, excel in technology, and adapt to new technologies. Committed to continuous learning and seeking opportunities to apply skills in a dynamic organization.

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CSE)	Kalinga Institute of Industrial Technology, Bhubaneswar	9.55 (Current)	2020-24
Class XII	Bethel Academy, Praygaraj (CBSE Board)	78.4%	2020
Class X	Kendriya Vidyalaya, Prayagraj (CBSE Board)	94.4%	2018

## EXPERIENCE

- Celebal Technologies Pvt. Ltd., Jaipur** Jun. 2023 - Aug. 2023  
*Data Science Intern* Remote
  - Actively contributed to data science projects, applying machine learning and statistical analysis techniques to extract insights and drive decision-making.
  - Conducted exploratory data analysis and feature engineering on large datasets to identify patterns and correlations, providing valuable insights for business optimization.
- The Sparks Foundation, Singapore** Jun. 2023  
*Web Development Intern* Remote
  - Developed several practical web applications by leveraging HTML, CSS, JavaScript & PHP.
  - Demonstrated strong attention to detail in ensuring adherence to web design best practices, including accessibility and SEO optimization.
- CodeClause, Pune** Jun. 2023  
*Web Development Intern* Remote
  - Created multiple functional web applications utilizing HTML, CSS & JavaScript.
  - Collaborated with designers to implement responsive design and ensure a seamless user experience across different devices.
- Oasis Infobyte, New Delhi** Jun. 2023  
*Web Development and Designing Intern* Remote
  - Developed various utility web app using HTML, CSS & JavaScript.
  - Conducted quality assurance testing to identify and fix bugs, ensuring the websites met high standards of performance and functionality.
- EduSkills Foundation (AICTE), New Delhi** May 2023  
*Data Analyst Intern* Remote
  - Learned and implemented various data analytics services offered by the AWS like RedShift, EMR, QuickSight, etc.
  - Also implemented it using various services which is offered by the AWS like EC2, S3, RDS, Lambda, CloudFormation, IAM, CloudWatch, etc.

## PROJECTS

- Real-Time Smart Facial Emotion Detection using EmoAnalyzer Model** Jan. 2023 - Apr. 2023  
Github
  - Proposed a new facial emotion recognition model name 'EmoAnalyzer' which takes less computation cost.
  - Implemented the facial emotion recognizer using four other models namely VGG-16, VGG-19, CNN-V2 and MobileNet-V2.
  - Analyzed the achieved performance based on various limitations like as in the accuracy including the precised output part, recall and the F1-score
- Data Analysis of Life Expectancy** Oct. 2022 - Nov. 2022  
Github

- Python visualization tools like matplotlib, seaborn, and ML models like TensorFlow and Keras were utilized to analyze the relationship between life expectancy and various factors such as GDP, obesity, and drinking water service.
- Visualization techniques employed included heatmap, violin plot, scatter plot, joint plot, and bubble chart.
- ML models like linear regression, Lasso, Ridge, random forest regressor, and decision tree regressor were employed to perform computations and analyze the data.

#### • Banking System

*Jun. 2023*  
Github | Link

- This dynamic website showcases a basic banking system where users can view customer details, transfer money between customers, and track transaction history. It provides a user-friendly interface for seamless banking operations.
- Key features include viewing customer details, initiating money transfers between customers, and maintaining a transaction history for transparency and record-keeping. The website offers an efficient platform for managing funds and ensuring a seamless user experience.
- Tech Stack: HTML, CSS, Bootstrap, JavaScript, PHP & MySQL

#### • Payment Gateway Integration

*Jun. 2023*  
Github | Link

- The website enables online donations through a payment gateway (RazorPay), allowing users to select donation amounts and payment methods on a dedicated payment page.
- After a successful payment, users receive an email confirmation with an invoice containing details of their contribution. RazorPay accounts facilitate payment gateway integration for testing and demonstration purposes.
- Tech Stack: HTML, CSS, JavaScript & RazorPay

#### • Unit Converter

*Jun. 2023*  
Github | Link

- The web-based unit converter offers seamless conversion of various units of measurement, supporting categories like length, weight, area, temperature, volume, and time. It features an intuitive user interface and instant calculations without page refresh.
- The unit converter allows easy selection of units to convert from and to through dropdown menus. It supports both metric and imperial units, making it versatile for a wide range of users. Its responsive design ensures accessibility across devices for quick and accurate conversions.
- Tech Stack: HTML, CSS & JavaScript

#### • Timer & Stopwatch

*Jun. 2023*  
Github | Link

- The web-based timer and stopwatch application helps users manage time effectively and track elapsed time with ease. It offers countdown timer and stopwatch functionalities, with a user-friendly interface and convenient customization options.
- The countdown timer allows for easy setting of specific durations, while the stopwatch accurately tracks elapsed time. The application's intuitive interface and sound notifications ensure you stay organized and never miss important deadlines or events.
- Tech Stack: HTML, CSS & JavaScript

#### • UPI App Design

*Feb. 2023*  
Figma

- Designed a fast and seamless UPI interface using Figma for instant mobile transactions between bank accounts, enabling smooth peer-to-peer and person-to-merchant transactions.
- The interface prioritizes simplicity and speed, allowing users to effortlessly transfer funds with just a few taps, ensuring a convenient and efficient UPI payment experience on mobile devices.

#### • Student Database Management System

*Dec. 2021*  
Github

- The SDBMS facilitates the sharing of relevant information among students, teachers, and parents, covering areas such as registration, admission, billing, and financial aid availability.
- It ensures quick, systematic, and error-free student enrollment, with data stored in a centralized location, typically in the cloud, and secure access granted to each stakeholder.
- Used data structures like linked lists, queues, and stacks were utilized in the C programming language to store and retrieve the student data entered by the client.

#### • Handwritten Digit Recognition

*Aug. 2021 - Oct. 2021*  
Github

- Handwritten digit recognition involves the computer's ability to recognize and classify human handwritten digits into predefined classes (0-9) from various sources such as images, papers, and touch screens.
- Used techniques like Otsu's method and a Multi-Layer Perceptron, to achieve an accuracy of 95.6% in detecting legible Handwritten Digits.

## KEY COURSES TAKEN

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- **Computer Science:** Data Structure & Algorithms (DSA), Object Oriented Programming (OOP), Database Management System (DBMS), Machine Learning (ML), Artificial Intelligence (AI), Web Services, Computer Networks, Operating Systems (OS), Automata & Formal Language (AFL), Design and Analysis of Algorithms (DAA), Compiler Design, Big Data, Data Analytics, Programming Languages, Computer Organization & Architecture, Discrete Mathematical Structures, UI/UX Designing.
- **Mathematics:** Graph Theory, Statistical Methods and Algorithms, Probability Theory, Differential Equations, Linear Algebra, Matrix Theory.

## TECHNICAL SKILLS

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- **Programming:** C/C++, Python, Java, SQL
- **Tools & OS:** AWS, Git, Jupyter Notebook, Google Colab, Figma, MS Office, MS Excel, MS Powerpoint, Ubuntu, Windows
- **Libraries/Frameworks:** Numpy, Pandas, Matplotlib, Tensorflow, Keras, scikit-learn, seaborn, OpenCV, Latex
- **Web Skills:** HTML, CSS, JavaScript

## OTHER SKILLS

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- **Soft Skills:** Problem solving, Critical thinking, Attention to details, Time management, Teamwork, Leadership, Communication, Creativity, Positive attitude
- **Languages:** English, Hindi
- **Interest/Hobbies:** Reading Sci-fi Novels, Aviation, Space science

## ACHIEVEMENTS

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- **Japan's GAIT Exam** Achieved a score of 780 in Japan's JTP GAIT assessment, showcasing exceptional performance.
- **Secured 1<sup>st</sup> Position** Awarded 1<sup>st</sup> prize in state level National Student Science Congress for the research paper on the topic "Turbulence modelling Aerodynamics".
- **Awarded 2<sup>nd</sup> Prize** Secured 2<sup>nd</sup> position in 17<sup>th</sup> sub - junior UP state swimming competition (200 M Ind Medley).
- **NTSE Scholar** Among the top 2500 students receiving the National Talent Search Examination scholarship (NTSE - 2017).

## CERTIFICATIONS

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|---|----------------------|
| • AWS Academy Introduction to Cloud Semester 1          | <a href="#">Link</a> |
| • AWS Academy Cloud Foundations                         | <a href="#">Link</a> |
| • AWS Academy Data Analytics                            | <a href="#">Link</a> |
| • HackerRank React (Basic) Certificate                  | <a href="#">Link</a> |
| • HackerRank Problem Solving (Basic) Certificate        | <a href="#">Link</a> |
| • HackerRank Problem Solving (Intermediate) Certificate | <a href="#">Link</a> |
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