

Siddharth Goutam

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EDUCATION

Kalinga Institute of Industrial Technology, Bhubaneswar

CGPA - 7.68

Bachelor of Technology in Computer Science Engineering

Sep. 2022 – May 2026

Guru Gobind Singh Public School, Bokaro

Percentage: 84 %

Central Board of Secondary Education (Class XII)

June 2021

D.A.V Public School, Dhanbad

Percentage: 87.5 %

Central Board of Secondary Education (Class X)

April 2019

PROJECTS

Lung Cancer Detection | *Python, TensorFlow, Keras, Flask, React* | [code](#)

April 2025

- Developed a lung cancer subtype classifier using transfer learning with the Xception model.
- Loaded and augmented image data from Google Drive using ImageDataGenerator, applying resizing, normalization, and horizontal flipping.
- Built a CNN model by combining a frozen Xception base with global pooling and dense layers for 4-class output.
- Visualized training performance through loss and accuracy plots, and applied early stopping and learning rate scheduling for optimization. Gained hands-on experience in deep learning, transfer learning, and medical image classification
- Implemented real-time predictions on individual images with image display and label output.
- Deployed the trained model using Flask for backend inference and API handling. Built an interactive frontend using React for user image upload, prediction display, and smooth user experience.

Medicine Recommendation System | *Python, Scikit-Learn, Pandas, HTML* | [code](#)

January 2025

- Developed a Personalized Medical Recommendation System using Python and machine learning to predict diseases based on user symptoms.
- Utilized Pandas for data manipulation and Scikit-learn for classification algorithms, achieving high accuracy.
- Designed a user-friendly interface for personalized health recommendations using different Web Technologies.
- and implemented model serialization with Pickle for efficient model retrieval, showcasing skills in machine learning and healthcare applications.

DoTrack Web App | *HTML, CSS, JavaScript, Flask, Python, Jinja2, SQLite* | [code](#)

June 2025

- Developed a secure and responsive To-Do List web app using Flask, enabling users to register, log in, and manage their personal task lists.
- Supported multiple user accounts with unique task data per user, ensuring data isolation and privacy.
- Implemented full CRUD functionality for tasks with dynamic status changes. Added real-time task completion analytics using pie charts to visualize time spent per task.
- Integrated user session management to restrict task access and display data per authenticated user.
- Designed a modern frontend UI with custom styles including a black-yellow themed login page for visual appeal.
- Ensured persistent data storage using SQLite via SQLAlchemy ORM for seamless database interaction.

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, HTML/CSS

Frameworks: React, Node.js, Flask, JUnit

Developer Tools: Git, Github, VS Code, Visual Studio, PyCharm, IntelliJ

Databases: MongoDB, MySQL, SQLite

Libraries: pandas, NumPy, Matplotlib, keras, Tensorflow

SOFT SKILLS

Problem Solving, Critical Thinking, Team Work, Communication, Time Management

LANGUAGE PROFICIENCY

English, Hindi