

GOUTAM KUMAR SAH

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Objective

”Motivated Computer Science student eager to apply technical skills in a dynamic role. Open to diverse opportunities to learn, grow, and contribute.”

Education

Indian Institute of Technology Patna

July 2023 – August 2026

Bachelor of Science in Computer Science and Data Analytics

Patna, Bihar

Relevant Coursework

- Data Structures
- Data Analysis
- Machine Learning
- OOPs Concepts

Skills Summary

Languages: Python, C, HTML/ CSS

Database: SQL, SQLite

Python Libraries: Pandas, Numpy, Matplotlib, Scikit-learn, SciPy

Developer Tools: VS Code, Jupyter Notebook, Google Colab

Technologies/Frameworks: Git, GitHub, Flask, API Handling

Interpersonal Skills: Communication skills, Analytical Thinking skills, Problem-Solving skills, Teamwork, Writing, Public Speaking

Projects

Capstone Project (Team) | *Python, Machine Learning, Google Colab*

- Developed an e-commerce security prediction website where users can check password strength, detect spam emails, and check for credit card fraud.
- Built machine learning models for each checker (password strength, spam email detection, credit card fraud detection) and trained them on relevant datasets.
- Integrated the models into the website using Flask, providing real-time predictions for users.
- Deployed the website on Render, ensuring accessible and secure functionality.
- Project link: <https://e-commerce-security-prediction-wokf.onrender.com/>

YouTube Task Manager | *Python, SQLite*

- Designed and implemented a YouTube video management application using Python and SQLite, providing users the ability to add, view, update, and delete video records.
- Created a relational database schema with SQLite for storing video data, including fields for video name and duration.
- Developed functions to handle CRUD operations (Create, Read, Update, Delete) on video records within the database.

Loan Approval Prediction | *Python, Pandas, Numpy*

- Built a machine learning model to classify loan applications as approved or denied based on applicant features.
- Conducted Exploratory Data Analysis (EDA) using Python libraries (Pandas, Numpy) to understand data patterns and inform feature selection.
- Performed feature selection techniques and trained the model to enhance prediction accuracy and support effective loan approval decision-making.

Position of Responsibility

- **Member**, Technology Club, IIT Patna
Collaborate on tech initiatives, participate in coding events, and contribute to fostering a culture of innovation and technical excellence on campus.

Achievements

- Certificate in Geo Data Sensing in Cybersecurity
Indian Space Research Organisation (ISRO) — November/December 2023
[View Certificate](#)
- SQL(Basic) - HackerRank
Issued: December 18, 2024
[View Certificate](#)