# GOUTAM KUMAR SAH

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## Education

**Indian Institute of Technology Patna**                                    **July 2023 – August 2026**
*Bachelor of Science in Computer Science and Data Analytics*                          *8.76 cpi, (present)*

## Skills Summary

**Languages**: Python, C, JavaScript, SQL
**Web Development**: HTML, CSS, JavaScript, Flask
**Python Libraries**: Pandas, Numpy, Matplotlib, Scikit-learn, SciPy, TensorFlow
**Developer Tools**: Git (Proficient), GitHub, VS Code, MySQL Workbench, Android Studio, Google Colab, MySQL
**Concepts**: Data Structures, DBMS, OOPS, Machine Learning
**Interpersonal Skills**: Communication skills, Analytical Thinking, Problem Solving, Teamwork, Time Management

## Projects

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

- 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]

**Medicine Tracker App** | *React Native, Firebase*

- Developed a React Native application using Expo to help users track their medications, set reminders, and maintain their medical schedule.
- **Key Features**: User authentication, personalized medication schedules, medication reminders, daily schedule tracking, push notifications.
- Implemented real-time data syncing with Firebase and a responsive UI for seamless user experience.
- [Github Link]

**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.
- [Github Link]

## Position of Responsibility

- **Member**, Technology Club— Hybrid Programs, IIT Patna
  Participated in organizing and contributing to hybrid tech events and coding competitions. Collaborated with team members to drive innovation in online-offline integrated technical programs.

## Achievements

- Certificate in Geodata Sensing in Cybersecurity
  *Indian Space Research Organisation (ISRO)* — November/December 2023
  View Certificate

- SQL(Basic) - HackerRank
  *Issued: December 18, 2024*
  View Certificate