

# PRATIMA CHAUDHURY

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## Objective

Analytical and results-driven software engineer with a strong background in coding and data analysis, seeking a data analyst role to apply expertise in data interpretation and visualization.

## Education

### Kalinga Institute of Industrial Technology

2020 - 2024

Bachelor of Technology in Information Technology , CGPA : 9.18

Bhubaneswar, Odisha

### Delhi Public School, Ruby Park

2020

Intermediate - Computer Science 93%

Kolkata, West Bengal

### Mahadevi Birla Shishu Vihar

2018

Matriculation - 93%

Kolkata, West Bengal

## Projects

### Medico | Python, Flask, REST APIs , HTML , CSS , Bootstrap , GIT , BeautifulSoup , Render

Apr 2024

- Led the strategic vision and development of Medico, a pioneering predictive analytics web platform that revolutionized personalized medical guidance. Enhanced treatment plans, diagnosed ailments, and optimized patient care .
- Delivered **94% ML accuracy** and **90% with deep learning**, showcasing predictive analytics.
- Architected and implemented a robust **Flask-based API Gateway** to orchestrate microservices, enhancing scalability, performance, and maintainability of the system.

### Facial Feature Extraction | Python, CV2, TensorFlow, HTML, CSS, JavaScript, Flask

Mar 2023

- Employing machine learning models to analyze real time images of faces and provide detailed information such as skin type, gender, skin disease, skin tone, face shape and many more.
- Featuring a user-friendly web application developed with HTML, CSS, and JavaScript, and implemented using Flask to allow real time capture of images and display of detailed facial analysis results.

### Customer Churn Prediction | HTML, CSS, Bootstrap, Flask, Python, Machine Learning, Jinja

Nov 2023

- Utilizing machine learning algorithms like decision trees, logistic regression, and random forests to analyze past customer data and predict churn, enabling proactive identification of at-risk clients.
- Providing actionable insights to develop tailored retention tactics, aiming to enhance customer satisfaction, foster loyalty, and optimize overall business performance.
- Implementing a user-friendly web application built with HTML, CSS, and JavaScript, and powered by Flask to facilitate easy access and interaction with the predictive models and insights.

## Technical Skills

**Languages:** C, C++ Java, Python, HTML, CSS, JavaScript, SQL

**Libraries:** Tensorflow, PyTorch, Scikit-Learn, OpenCV, Sqlite

**Frameworks:** ReactJs, Flask, Machine Learning, Deep Learning

**Tools:** Git, AWS, JIRA, BigQuery, VScode, Jupyter, Tableau, PowerBI, Spreadsheet, Google Colab, SQLyog

**Soft Skills:** Team Management, Communication, Result Orientation, Adaptability, Problem Solving, Analytical Thinking

## Certificate and Recognition

Introduction to Cybersecurity - Cisco

Jun 2023

CCNA: Introduction to Networks - Cisco

Jun 2023

PCAP: Programming Essentials in Python - Cisco

Jun 2023

Mathematics for Machine Learning - Coursera

Jan 2023

Winner Global Social Innovation Summit Hosted by Enactus Hong Kong

Jul 2022

## Publications

- Pratima Chaudhury and Swayam Verma (Aug 2023). **“Paper: Crop Yield Prediction Using Precise Machine Learning”**. In: Springer 3.445, p. 768 | [Link](#)