

Pratyush Chowdhury

Email: pratyushchowdhury27@gmail.com

LinkedIn: [linkedin.com/in/pratyushchowdhury/](https://www.linkedin.com/in/pratyushchowdhury/) | Github: github.com/pratsingit

Contact Number: (+91) 9168412666 | Pune, Maharashtra, India |

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Dart
- **Front-end Development Skills:** React.js, Next.js, Bootstrap, JavaScript, HTML, CSS
- **Back-end Development Skills:** Django, MySQL, MongoDB, Firebase, Node.js
- **Mobile App Development Skills:** Flutter
- **Skill Set:** Cybersecurity, Git/GitHub, CaptureTheFlag (CTF), Machine Learning, Hands-on IoT, Google Cloud Certifications (Active Google Arcade Participant), Virtual Machines, Linux Distribution: Kali Linux & Ubuntu, Offensive Security Tools, Problem-Solving, Strategic Planning, Collaborative

PROJECTS

Personal Fitness Tracker with Meal Scanner (Ongoing Project)

May 2024

Developing mobile application using **Flutter** that would utilize **machine learning to scan meals**, check calorie count of meal in real-time, recommend workouts, and allow user to set fitness goals & monitor progress.

Customer Churn Predictor

Mar 2024

Interactive **web application** designed to **predict** whether a **customer will churn** based on **various features** in the dataset. Leveraged data preprocessing, exploratory data analysis (EDA), and **machine learning** models.

- **Technologies Used:**

- **Pandas** and **NumPy** for data handling & **Streamlit** for the web interface.
- **Jupyter Notebook** for **EDA** and initial model development.
- **Skikit-learn** for **machine learning models** (Logistic Regression, Random Forest, SVM, and Gradient Boosting) & loaded the pre-trained model with **Joblib** for predictions.

MC-Council ([Live Project Link](#))

Oct 2023

Visually appealing and immersive **web app**, serves as an **integrated learning hub**, providing users with an array of features including course materials, tests with certifications tailored to their cybersecurity educational needs.

- **Technologies Used:**

- **React.js** for a dynamic, responsive dashboard and **Firebase** for the backend.
- Built-in **input sanitization & validation** for secure and user-friendly **registration** and **authentication**.
- **React Router** for efficient page navigation and integrates a **video player** for seamless video access.

JotJourney Itinerary Planner ([Live Project Link](#))

June 2023

Developed a responsive **React application** with **task management** functionality, incorporating **input validation** and smooth UI transitions using **CSS and Bootstrap**. Included exporting the organized list in .txt or PDF format.

Personal Finance and Stock Manager

May 2023

Web-based application developed using **Python** and **MySQL**, designed to help users effectively manage their personal finances. Follows **normalization rules** to ensure data integrity and efficient storage.

- **Technologies used:**

- **Python Tkinter** for frontend development.
- **Cursors** to execute the SQL queries and **MySQL** for database management.
- **Matplotlib** to plot the historical data of the token & **Yfinance library** for scraping stock prices.

EDUCATION

MIT - World Peace University

B.Tech. Computer Science & Engineering – Cybersecurity and Forensics

Kothrud, Pune, Maharashtra, India

Aug 2021 - July 2025

Achievements:

- Secured **Top 10** with **GPA: 9.5/10.0** in **3rd Year (Semester 5)**.
- Published **“Disk Forensics”** in the **Cybersecurity Magazine - Sampada** by **MCCIA, Pune**. ([Link](#))
- Secured **2nd** in **HackX-MIT CTF** Cybersecurity Event held in Feb 2024.
- Secured **Top 5** in National Academic Immersion Program (NAIP) held at **IIT Jodhpur**.

Activities:

- Worked as a **Technical & Content Creator** in **Google Developer Student Clubs** (GDSC-MITWPU).
- Participated in various **Hackathons** and **CTFs** like Pentathon2024, HackxMITWPU, IBM Call for Code Challenge, CoDay Challenge, HackerEarth-CyentifiQ Innovation League.
- Volunteered in Annual Summit Festival, Participated in various sports competitions like Badminton, E-sports.

Elpro International School (Formerly GIIS Pune)

AISSCE (CBSE Grade 12) Informatics Practices, Mathematics, Physics, Chemistry

Result Obtained: 87%

Chinchwad, Pune, Maharashtra, India

April 2019 - July 2021

Achievements:

- Secured **1st Grade-wise** in **International Mathematics Olympiad(IMO)** by **SOF Olympiads**
- Scored **95** in **Informatics Practices** (Python & MySQL) & **English** in CBSE 12th Boards

Activities:

- Lead Keyboard Player, Guitar Player & Singer in musical band throughout my journey.
- Achieved podium finish in multiple championships in Badminton.

CERTIFICATIONS

- **100 Days of Code:** The Complete Python Pro Bootcamp for 2023 ([Certificate Link](#))
- **Foundations of Cybersecurity** by Google ([Certificate Link](#))
- **Google Cloud Certifications** ([Profile Link](#))
- **Machine Learning Specialization** [In Progress] [Completion By: Early July]
- **Ethical Hacking Essentials** by EC Council ([Certificate Link](#))