

# VICKY BHATTACHARYA

## CONTACT

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## SUMMARY

Enthusiastic and motivated B.Sc. IT (CTIS) student with strong skills in software development. Proficient in Python programming language with hands-on experience in building applications using frameworks like **Flask** and **Django**. Skilled in database management with **MySQL**. Eager to explore and master new programming languages and technologies to enhance software development skills. Actively seeking opportunities to leverage expertise and contribute to innovative solutions. Dedicated to collaboration, continuous learning, and problem-solving, with a passion for developing software solutions and finding creative ways to address challenges.

## SKILLS

- **AWS Cloud Services**
- **MySQL Database Management**
- **OOPs**
- **Python (Programming language)**
- **Javascript**
- **React**
- **Linux Operating System**
- **Web Development**
  - Flask, Flask-SQLAlchemy, Flask-Login, Flask-Mail, HTML, CSS, JavaScript
- **Web Security:**
  - Multi-Factor Authentication(MFA), Two-Factor Authentication (2FA), Data Encryption, Session Management, Password Strength Testing
- **Soft Skills**
  - Observation and Decision Making
  - Communication and Multi-tasking

## EDUCATION BACKGROUND

### Techno India University

- **Bachelor of Science IT (CTIS)** - Ongoing
  - CGPA: 8.36 (Till 5th Semester)
  - Expected completion: Aug 2024

### St. Jude's High School

- **Class 12** from CISCE Board(ISC)
  - Percentage: 82.5%, Completed: 2021

### St. Jude's High School

- **Class 10th** from CISCE Board(ICSE)
  - Percentage: 85.6%, Completed: 2019

## ACHIEVEMENTS

- **1st place in CODEWAR** (Aug 2023)
  - Opted for Java to solve problems efficiently within the specified time.
- **Hackathon**
  - Developed part of the front end for the "Bibliophile" book donation platform (April 2023).
  - Solely pitched the idea, leading the team to qualify for the **final** round.

## PROJECTS

### Guardian Secure (Feb 2024 - Apr 2024)

- Guardian Secure is a trusted platform where user can give their website URL link and our web application finds **vulnerabilities** and sends **Report** to the user email.
- Guardian Secure also provides Password Checking Mechanism, Cipher Text Conversion, and currently in the process of building an AI Chatbot.
- Spearheaded **backend** development using Python, Flask, SQLAlchemy, Flask-Mail, Flask-Cors and Flask-Login.
- Implemented MySQL database integration for efficient data management.
- Developed authentication features and integrated **email** functionality.
- Orchestrated the integration of external tools into the web application.
- Created an admin page for the web app to regulate user accounts (**CRUD** operations) by building the frontend logic using JavaScript (fetching the backend API) and HTML/CSS, and the backend API using Flask.

- Developed the index/home page UI with HTML, CSS, and Bootstrap to make it user-friendly and responsive.
- Currently in the process of deploying the web application on cloud platforms.
- Designed to streamline data management and ensure secure user authentication.

- [Guardian Secure GitHub Repository](#)

### **Cine Bless** (February 2024)

- Independently created CineBless, a movie ticket booking app, using Python Flask, HTML/CSS, SQLAlchemy, MySQL.
- Seamlessly blends my passion for cinema with technical expertise in a fun, personal project.

- [CineBless Github Repository](#)

### **DjangoCRM** (May 2024)

- Currently learning Django while building DjangoCRM, a Customer Relationship Management (CRM) system, utilizing Django framework, HTML, Bootstrap, and Django form validation.
- Implemented features such as Django messages flashing for enhanced user experience.
- Utilizing MySQL database integration for seamless data management.
- Combining ongoing learning with a focus on user-friendly design to create an efficient CRM solution.

- [DjangoCRM Github Repository](#)

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## **CERTIFICATIONS**

- **Professional course in Java** - Jatiya Yuva Computer Shaksharta Mission, Kestopur
- **Python Essential Training** - LinkedIn Learning
- **AWS Certifications** - AWS Academy Cloud Foundations

- [View Certificate](#)
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