# DEVANSH UPADHYAY

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## EXPERIENCE

**SRFusion Technologies**                                              **Feb 2024 – Apr 2024**

*Software Development Engineer Intern, Remote*

- Contributed to a text-to-image generation feature using **Stable Diffusion**
- Implemented authentication and authorization using **Django REST Framework**, **JWT**, and **social-auth** (Google, Facebook), improving security with **30%**.

**Red Fibre**                                                         **Apr 2023 – Aug 2023**

*Full Stack Development Intern, Remote*

- Contributed to MakerSpace Cloud Lab Inventory System with **Python**, **Django**, and **SQLite**; implemented admin dashboard, booking calendar, and resolved merge conflicts, enhancing reservation processing by **30%**.
- Developed a Chrome extension for fake news detection using **Flask API** and **JavaScript**, integrating an ML model as the **backend**, enhancing user experience by **30%**.

## TECHNICAL SKILLS

**Languages**: Java, Python, C, C++, SQL
**Libraries & Frameworks**: Spring, JPA (Hibernate), JUnit, JDBC, Django, Flask, PyTorch, Scikit-Learn
**Databases**: MySQL, SQLite, MongoDB
**Technologies & Tools**: Git, GitHub, Socket Programming, Linux(Ubuntu), IntelliJ IDEA, Postman

## PROJECTS

**BankFlow - Banking Application using Spring Web**                                *Link*

- Developed REST APIs for a banking application using **Spring Boot**, **Spring Data JPA** (Hibernate), and **MySQL**.
- Implemented features for creating accounts, depositing and withdrawing funds, retrieving all accounts, and deleting accounts.

**MakerSpace Cloud - Lab Inventory System**                                       *Link*

- **Tech Stack**: Python, Django, SQLite
- Implemented an admin dashboard with **real-time analytics**, **daily footfall graphs**, and equipment booking **calendar** and **forms**; created help blogs and reduced booking errors by **20%**.

**Heart Care - An Early Heart Attack Prediction Using Transformers**              *Link*

- **Tech Stack**: Python, Django, Llama2, PyTorch
- Engineered a Django web application, integrating pre-trained TabNet architecture and managing llama2 API requests, enhancing data processing efficiency by **40%**.

## EDUCATION

**Bharati Vidyapeeth Deemed To be University, Department of Engineering and Technology**    **2021 – 2024**

*Bachelor of Technology Computer Science and Business Systems, GPA: 8.9*             *Navi Mumbai*

- Subjects: Object Oriented Programming, Database Management System, Computer Networks

**Bharati Vidyapeeth Institute of Technology, Polytechnic**                        **2018 - 2021**

*Diploma in Computer Technology, Percentage: 88.74%*                               *Navi Mumbai*

## PATENT AND PUBLICATIONS

**Heart Attack Risk Prediction System with Wearable Device Integration and Personalized Guidance**    **2024**

*Indian Patent, Under Review, Application Number: 202421027477*                    *Link*

**Early Heart Attack Prediction Using Transformers**                              **2024**

*International Conference on Advanced Communication, Energy and Big Data. Under Review*    *Link*

## TECHNICAL CERTIFICATES

**Infosys Springboard - Programming Using Java**

*Studied Java basics, OOP, exceptions, recursion.*                                *Link*

**University of Pennsylvania - Computational Thinking for Problem Solving**

*Gained skills in computational thinking and algorithms*                          *Link*

**IBM - Introduction to Artificial Intelligence (AI)**

*Acquired foundational AI knowledge and hands-on projects using Watson Auto-AI to forecast electricity consumption.*    *Link*