

# Lakshya Saharan

[lakshyasaharan@gmail.com](mailto:lakshyasaharan@gmail.com) | +91 7023332609

<https://github.com/Lakshyasaharan5>



## EDUCATION

**Amity University, Amity School of Engineering and Technology**

**Noida, UP**

*B.Tech. Computer Science and Engineering (CGPA - 8.58)*

*July 2018 - July 2022*

- Relevant Coursework: Object-Oriented Programming, Data Structure and Algorithms, Operating Systems, Database Management Systems, Advanced Java Programming, Exploring the networks

## WORK EXPERIENCE

**EbixCash | EbixTravels | Via.com**

**Noida, UP**

*Software Development Engineer - I*

*January 2022 - June 2022*

- Worked on Java Springboot backend in creating and integrating flight distributors.
- Updated API for flight supplier named as *Verteil Technology*. Created a robust code flow to be implemented on multiple flight between Singapore, Philippines and Indonesia.
- Worked on generic baggage option which works on different APIs of multiple airlines.
- Fixed the issue for ticket retrieving after completion of booking in Philippines Airlines.
- Updated security features for *Kai railways, Indonesia*.

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, C++
- **Back-End Technologies:** SpringBoot, NodeJs, JWT tokens, Flask, Rest & Soap APIs
- **Front-End Technologies:** React, HTML, CSS, Javascript
- **Cloud:** AWS EC2 Deployment
- **Databases:** Postgres, Redis, MySql
- **Developer Tools:** TensorFlow, Git, Postman, Jenkin

## PROJECTS

### **Beersheba (Non Profit Church Organisation)**

- ***sundayschool.beershebakkd.org (Github-Repo)***
  - ***<https://github.com/Lakshyasaharan5/Sunday-School-SpringBoot>***
  - Developed and designed whole backend for the website using Java SpringBoot.
  - Implemented bearer authorisation using JWT tokens for all the APIs.
  - Created automated PDF creations for weekly reports of church work.
  - Designed and created whole database implementation for the website.
  - Used MySql database for fast and robust queries.

### **Vision 360 : A Mobile Application For Physically Disabled People**

- Created an AI based mobile application for physically disabled people. This app has three functionalities for three kinds of disabilities (deaf, blind, mute).
- Implemented Image classification to predict scene description and generate live captions.
- Implemented the functionality for mute and deaf people. It can be used to communicate with others. Uses 2D Convolved Neural Network for detecting the surrounding voice helps in communication. Implemented sound conversion from wave to Mel Frequency Cepstral Coefficient for the spectrographs.

### **Treasury Accounts Management (Github-Repo)**

- Used by the treasurer on a daily basis to add expenses and offerings to the church, the process is automated so the church management access the records easily from the database.
- The application's backend, which handles user authentication and CRUD operations with a MySQL database, was created using Spring-boot, and the frontend was built using React.js.
- API authentication is implemented with JWT tokens and HTTP-only cookies with an express backend.