# Sahil Dubey

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## Education

**OSMANIA UNIVERSITY**
Bachelor's degree in Computer Applications, Computer Science

July 2023    Hyderabad, IN
- SGPA: 8.5 till fifth sem

## Links

GitHub:// **sahildubeydev**
Linkedin:// **sahildubey**
Leetcode:// **sahildubey**
Geeksforgeeks: **sahil_dubey**
Certifications: **certificates**

## Coursework

**UNDERGRADUATE**
Data Structures and Algorithms
Object Oriented Programming
Operating Systems Database
Management Systems

## Skills

**PROGRAMMING**
**Proficient:**
C++ • Java
**Web Technologies:**
HTML5/CSS3 • Javascript
React/Redux • Node.js
Express.js • SQL • NoSQL
**ORM Libraries:**
Sequelize • Mongoose
**Devops Technologies:**
Linux • Python • Git • Bash • AWS
Docker • Jenkins • Terraform
Kubernetes • Prometheus

## Achievements

• Solved **350+ total problems** on Leetcode and GFG combined
• **20+ articles** at Leetcode discuss with a total of **2k+ views**

## Interests

**TECHNICAL**
Full stack Development
Cloud Computing • Data Science

**NON-TECHNICAL**
Sprinting • Teaching
Networking • Debate

## Experience

**STUDENT ADVOCATE**
Udacity | Data Science - Next Gen Tech Booster Scholarship

Dec 2022 – Feb 2023    Remote
- Providing support and advocacy to individuals in order to meet their educational goals
- Assisted peers with technical and moral support both informally and during organized events and helped students with their challenges faced during the course

## Projects

**SKYWINGS**
NodeJS | ExpressJS | MySQL | Nodemailer | RabbitMQ
- The application is designed as a collection of loosely coupled **MVC Microservice Architecture**, each serving a specific domain within the flight ecosystem.
- Implemented a solution to handle scenarios where two users select the **same seat simultaneously** making **concurrent bookings** for the same seat.
- RabbitMQ is integrated as the **message broker** to facilitate communication between microservices.
- This ensures fair booking practices, **avoids double bookings, avoids conflicts** and ensures that each seat is allocated to only one passenger at a time.
- Repo Link - **SkyWings**

**SOCIAL MEDIA**
React/Redux | NodeJS | ExpressJS | MongoDB | Cloudinary API
- Developed the project in **Model/View/Controller** architecture, Implemented the features such post **Images, add caption, follow/unfollow other users, like/dislike posts**
- Authentication with JWT Access token and Refresh token. Custom success/error handling in API
- Repo Link - **Social Media**

**POSTERZ**
React/Redux | Strapi | Cloudinary API | Sqlite3 | Stripe
- Designed and implemented an **Ecommerce website** where users can buy posters categorically, utilized the latest technologies and best practices in full-stack website development
- Used **Strapi CMS** to add contents and categories from backend, **Stripe** integration to handle online payments and **Redux Persist** to persist the cart data even after reloading the page
- Repo Link - **Posterz**

## Mentoring and Responsibilities

**PROGRAMMING WEEK** | Organizer and Lead Instructor
- Conducted a **one-week** programming event on **C/C++** and **Java** to help beginners to understand the basics of programming
- Took special lecture on **pointers** and **memory management** in C and C++
- Covered the **four pillars** of Object-Oriented Programming in Java including **Exception handling** and **Multithreading**