Soham Tupe

tupesoham@gmail.com | LinkedIn | +91-8329577701

EXPERIENCE

10X ACADEMY | Data Structures and Algorithms Mentor
December 2021 – Present
- Mentored **200+ students** with average rating of **4.9/5** .
- **Resolved doubts, took online sessions** to help students learn, build approaches and solve various data structures and algorithms questions.

INDITECH VALVES PVT. LTD. | Software Engineering Intern
January 2021 – May 2021 | Pune, India
- Took complete ownership and developed an **Android** Application in **Java** from scratch for **Digitalization of Quality Documents** of the company.
- Implemented **User Authentication** with Firebase, **Firebase Realtime Database** for Cloud Storage.
- Developed Barcode Scanner and Generator using **Google ZXing** , PDF Viewer to view Documents directly in the app.
- Henceforth improved the overall efficiency of the process by **80%** .
- Demonstration: **https://bit.ly/inditechValvesDemo**

PERSONAL PROJECTS

TRY FURNITURE AR | Unity, C#, ARFoundations
September, 2021
- Build a **Mobile Augmented Reality App** where users can **virtually "try out" furnitures** in their homes.
- Used **ARPlaneManager, ARRayCastManager and XR Interaction Toolkit** for developing AR interactions.
- Demonstration: **https://bit.ly/tryFurnitureAR**

SUDOKU SOLVER WITH OPENCV | Python, OpenCV, Tensorflow
May, 2021
- A Desktop Application that **solves Sudoku Puzzles** using **Image Processing** with an accuracy of **96%** .
- Used **Backtracking Algorithm** for solving Sudoku.
- Source Code: **https://bit.ly/openCVSudokuSolver**

MIWOK APP | Java, XML, Android Studio, Firebase
January, 2021
- An Android App in Java that helps users **learn common phrases and words with pronunciations** of the native **Miwok language** with visual and aural elements.
- Incorporated best practices like **AudioManager, MediaPlayer, View Recycling, Custom Adapters, View Pagers, Fragments and cloud storage** .
- Source Code: **https://bit.ly/miwokApp**

POSITIONS OF RESPONSIBILTY

INFORMATION TECHNOCRATS STUDENT FORUM | President
Managed a team of **30** and **organised 20+ Workshops and Webinars** for students in a complete virtual environment.

PROGATE WEEK OF LEARNING | Lead-Organiser & Instructor
Organised a week long program to help **beginners** build their **First Web-App** from scratch with HTML, CSS and JavaScript.

EDUCATION

Vishwkarma Institute of Information Technology
Bachelor of Technology - Information Technology
2018 - 2022 (Expected) | Pune, India
CGPA: **9.58** /10

Sir Parshurambhau College
2018 | Pune, India
HSC (Class XII), Aggregate: **84.52%**

Magarpatta City Public School
2016 | Pune, India
ICSE (Class X), Aggregate: **93.67%**

SKILLS

Languages:
- C++ • C • Java • JavaScript
Tools & Technologies:
- Android • Unity • NodeJS • Git
Databases:
- MySQL • Firebase

LINKS

Github:// **sohamtupe55**
Leetcode:// **tupesoham**
InterviewBit:// **soham-tupe**
Hackerrank:// **tupesoham**

COURSEWORK

Data Structures and Algorithms
Object Oriented Programming
Database Management Systems
Operating Systems
Computer Network

ACHIEVEMENTS

Solved **500+ questions** on **Leetcode** , **InterviewBit** & **HakerRank** .
University Rank 1 on **InterviewBit** with score of 21k+.
5 Star at **Hackerrank** in **Problem Solving** and **SQL** .
Contributed **15+ articles** at **Leetcode Discuss** with **5k+ views** and **75+ upvotes** .
Qualified for **Swiggy i++ Stage 2** (Top 100 out of 10k+ aspirants).
Worked with **30+ businesses** for **WordPress Development** as a Freelancer.