ALAY MEHTA

C++ Developer with 2+ years of Experience

✉ alay19011999@gmail.com 🏆 Leetcode(Knight badge) 🏆 Codechef(5*) in Linkedin in Github

Contact :+91 9106922435

Education

Darshan University	**June 2017-July 2021**
B.Tech In Computer Science	*9 CGPA*

Experience

Micro Technoid Pvt. Ltd.	**July 2021 - July 2023**
Software Developer	*Bengaluru, Karnataka, India*

- Worked in a team of 3 to develop a internal task manager desktop application for a client company(Algoji(an algorithmic trading company))
- Assign, Remove, Manage, set Priority etc of Tasks to respective employees quickly so that algorithmic trading values can be changed during trade hours itself and everything can be done on system itself without using any 3rd party tool.
- In summary, a risk management and alerting system so that traders can respond quickly to real time events.
- Task management done in seperate thread so UI remains responsive during background processing.
- Used : **C++, QT, QML, Microsoft SQL server, Unit Testing**

Skills

C, C++, QT, [developing C++ GUI applications], QML, Data Structures and Algorithms, Object Oriented Programming, Databases(Microsoft SQL server)

Projects

Company Manger UI / *C, C++, QT, Data Structures*

- ∗ This Application lets you create a Company and add, remove, edit , promote/demote employees, set employees working under him/her etc.
- ∗ The Employee hierarchy is represented in a tree form in the GUI and all the functionalities are implemented with n-ary tree data structure.
- ∗ Github Link : https://github.com/Amcodes001/CompanyManagerUI

Image Processor / *C, C++, QT*

- ∗ This is a simple image processing using C++ and Qt in which user can upload an image and he/she will be able to see number of blobs and the largest blob area.
- ∗ Blob = Connected component(An area in the image where each pixel is similar.) E.g a box of completely red color It has many use cases like in real world applications e.g : object detection
- ∗ Github Link : https://github.com/Amcodes001/ImageProcessor

Achievements

- ∗ **Google Kickstart :** Secured a Global Rank of **827** and India Rank of **462** amongst 10,900 candidates.
- ∗ **Codechef :** Max Rating **5*** .
- ∗ **Facebook HackerCup** Round 1 Global Rank **Under 500**/12,692 , India Rank : **Under 200**/4,500
- ∗ ***Coding Profile Links :*** **Codechef(5*) Leetcode(300+ problems(130+ Hard)) CSES(100+ problems)) Doc Link to my self-written DSA explanations**

Extra-Curriculars

- ∗ Worked in the creative division teams of cult-fit and Philips with 10 other creators as to design their Instagram Ads.(Freelance)
- ∗ Runners Up in Visual Effects and Editing Hackathon in IIT Bombay Mood Indigo Fest.
- ∗ First position in Delhi University Fest 2019 for VFX competition .