Ruchit Dhoka

rdhoka@hotmail.com | Hayward, CA | +1 (510) 415 7826 | ruchitd.github.io | @LinkedIn

TECHNICAL SKILLS

Programing Languages C++, Python, Java,C,HTML, CSS, JavaScript, SQL, Typescript, Go
Frameworks React.JS, Node.JS, Angular, REST
Software & Tools PostgreSQL, Android Studio, Google Cloud,Git

WORK EXPERIENCE

Software Engineer Intern, EasyApp (Remote,Mumbai)   *May'20 – Aug'20*

- Designed backend for EasyFees, a Python app build for simple rapid payment plans for local schools
- Analyzed course popularity and implemented algorithm to incentivize students and parents into taking less popular through discount promotion, increasing course adoption rates by 20%
- Extracted course completion data from SQL to gauge students learning weaknesses and course difficulty

Software Engineer Intern, Infinitech Solutions (Remote,Mumbai)   *May'19 – Aug'19*

- Assisted in development of data dashboard with React to monitor real-time product sales and inventory
- Upgraded search feature in C++ inventory app to specify combinations and exclusive operators
- Constructed recommendation system build on Binary Tree, allowing for user to specify desires and given tree level traversal to find optimal product leading to increase user retention by average of 40 minutes per session

Machine Learning & Computer Vision Intern, Nevim Analytics (Jakarta)   *Jun'18 – Aug'18*

- Refined facial recognition algorithm built on C++ and Java to utilize incremented angles for precision
- Abbreviated software crashes by up to 80% through cleaning program of underutilized imports, print statements, and limiting one face detector at a time
- Engineered and trained Python based eigenface method of amended facial detection

Web Development Intern, Sindhen App (Jakarta)   *Jun'16 – Aug'16*

- Devised and executed strategy to reduce load times by 20% by analyzing and overhauling front-end in Angular.js
- Increased web traffic by an average of 2000 Visitors/Per Week through Search Engine Optimization
- Automated the handling of media imports and data, reducing over 40 hours of manual work

EDUCATION

California State University East Bay   *Expected Dec'21*
B.Sc. Computer Science

PROJECTS

Crypto Currency Live Tracker (React/Next)(2021):
- Built live tracker for crypto currencies that utilizes React Front-End and Next.JS as Backend
- Dynamically updates without need for page refreshes and gives recommendations on buy/sell

Github Visualizer (Go) (2021):
- Go based CLI Command that generates visual graph of git contributions.
- Scans local repositories and then generates a graph

Discord Mod and Alarm Bot (Node.js) (2020):
- Discord Bot that allows user to set time based pings with a message or reason.
- Reactive spam protection and AI with Perspective API

Photo Sharing Android App (Java) (2020):
- Built using Android Studio and Java. Allows user to take a photo and then provide descriptions and share photo on social media

Personal Blockchain(Python/Kotlin)(2020):
- Personal blockchain made in both Python/Kotlin, hostable and mineable with with hash functions

ADITIONAL INFORMATION

- **Hackathons:** Attended SF Hacks 2019 and SF Hacks 2018
- **Tech Club 2014 to 2016:** Created a Library Catalog System for Orphanage
- **Courses:** Machine Learning, Artificial Intelligence, Data Structures and Algorithms , Computer Networking, Mobile Development, Databases