

Ruchit Dhoka

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TECHNICAL SKILLS

Programing Languages Java, C++, Go, Haskell, Python, HTML, CSS, JavaScript, Swift, Kotlin

Frameworks React, Node.JS, Angular(JS), HTTP, SOAP, REST

Software & Tools MySQL/SQL, Android Studio, Google Cloud, Postgres

INTERNSHIP EXPERIENCE

Data Science Intern, EasyTech Innovations Pvt. Ltd. (Mumbai)

May'20 – Aug'20

- Assisted development team of e-learning platform and implemented Machine Learning techniques such as classification algorithms, regression, decision trees and clustering on large student datasets reducing load times by up to 10% for queries
- Analyzed student data using web scraping technique and SQL tables to gauge students learning weaknesses and identify student learning patterns

Business Analyst Intern, Infinitech Solutions Pvt. Ltd. (Mumbai)

May'19 – Aug'19

- Conducted market research & focus group studies to study consumer behavior and assisted teams responsible for customer segmentation, product proposition, inventory management, logistics & delivery
- Monitored revenue and users, mined voluminous data for insights into target audience, operations efficiency & process flow. Used SQL for business analytics using databases of application information
- Developed data visualization skills and ability to clearly articulate the data insights both verbally and in writing

Machine Learning Intern (Computer Vision), Nevim Analytics (Jakarta)

Jun'18 – Aug'18

- Optimized company facial recognition algorithm (C++, Java) to utilize increased angles for improved accuracy
- Reduced software crashes by up to 80% by cleaning program of unused imports, print statements and only using one face detector at a time
- Implemented Python based eigenface method of improved facial detection

Web Development Intern, Sindhen App (Jakarta)

Jun'16 – Aug'16

- Improved page load time by 20% by rewriting front end in Angular.JS
- Increased web traffic by an average of 2000 visitors per week through Search Engine Optimization. Gained experiences in (HTML, CSS, Angular.JS)

EDUCATION

California State University East Bay

Expected Dec'21

B.Sc. Computer Science

PROJECTS

Personal Blockchain (Kotlin/Python)(2021): Two different blockchains, one made with Kotlin and one with Python. Python version accepts transactions and allows mining of new blocks

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

Discord Alarm Bot (Node.js) (2020): Discord Bot that allows user to set time based pings with a message or reason. Helpful to prevent getting sidetracked while working.

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

ADDITIONAL INFORMATION

- **Hackathons:** Attended SF Hacks 2019 and SF Hacks 2020
- **Tech Club 2014 to 2016:** Created a Library Catalog System for Orphanage
- **Mobile Development and Maya Modeling:** Creating apps in Swift that interact and fetch data from web servers and then respond to user queries
- **Computer Projects:** Computer Vision Facial Algorithm Research for Government and Consumer Base