Ruchit Dhoka

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EDUCATION

California State University Easy Bay   Hayward, CA
Bachelor of Science in Computer Science   *September 2016 – December 2021*

Courses: Machine Learning, Artificial Intelligence, Data Structures and Algorithms , Computer Networking, Mobile Development, Databases

TECHNICAL SKILLS

Languages: C++, Java, Python, SQL (Postgres), JavaScript, HTML/CSS, Kotlin
Frameworks: React, Node.js, Angular, Bootstrap, Django, REST
Developer Tools: Git, Docker, Kubernetes, AWS, Android Studio, Google Cloud Platform, Xcode, MongoDB

EXPERIENCE

Software Engineer Intern: Machine Learning   June 2019 – August 2019
Neviim   *Jakarta, Indonesia*
- Optimized facial recognition algorithm accuracy by 10% through modifying scalars
- Improved stability by 30% through removing imports, prints ,and limiting one face detector
- Familiarized and trained Python based eigenface method of amended facial detection
- Presented research data on eigenface to CEO and other Techleads, who further utilized findings to increase accuracy by 96% across all the company's products

Software Engineer Intern: Frontend   June. 2016 – July 2016
Sindhen   *Jakarta, Indonesia*
- Accelerated page load times by 20% through Lazy Loading Modules in Angular.JS
- Increased traffic by 200% on weekly basis through Search Engine Optimization amassing 2000 daily views
- Reduced 40 hours of manual work by automating the handling of media imports and uploads to web server
- Saved up to $2000 by communicating bug reports and feedback to lead developer and solving support tickets for website

PROJECTS

Covid 19 Tracker | *React, JSON API, Axios, Material UI*   November 2021 – Present
- Developed a full-stack web application using React, JSON API to gather data and Material UI for user interface
- Setup Covid-19 API as JSON API to display up live statistics including current cases
- Publicized data from over 180 countries and added filters for specific country data and statistics

Machine Learning Discord Bot | *Javascript, Node.JS, Google Cloud*   August 2021 – October 2021
- Engineered a AI Discord Bot using Javascript that aims to reduce toxicity in large online communities
- Reduced abusive comments and spam by 47% in servers with thousands of users
- Scanned and analyzed over 20000 messages every day through machine learning models from the Perspective AI

Twitch Dashboard | *React, Axios, Twitch API*   January 2021 – Febuary 2021
- Designed dashboard to display real time Twitch statistics of live channels and categories
- Displayed current time statistics of over a million users watching and most watched channels from Twitch API
- Extracted data from Axios to calculate and display channels based off viewer hierarchy

Python Voice Assistant | *Python, PyVoice, Jupyter*   September 2020 – October 2020
- Programmed a virtual assistant with Python libraries using Google Text to Speech API for voice recognition
- Trained program to retrieve information such as news and weather in less than 10 seconds akin to Siri or Alexa
- Implemented query based searching such as Youtube and Google searches and ability to send emails and phone messages with full messages over 100 words

Personal Blockchain | *GoLang, Python*   May 2020 – May 2020
- Coded a blockchain using Python with hashlib library and an alternate version with Go
- Implemented functions for creation of new 256 bit hash and verifying hash blocks
- Facilitated instantaneous mining and real time transactions in less than one second