Seran Gemechu

Sdiriba33@gmail.com | (408)-858-9537 | San Jose, CA | seran72.github.io/Gemechu

COURSEWORK

- OOP, Data Structures & Algorithms, AI/Machine Learning, Computer Architecture, Operating Systems
- App Dev, Cybersecurity, DBMS, Computer Organization, Computing Theory, Software Engineering

TECHNICAL SKILLS

- Java, Python, C, JS, x86 Assembly, React JS, SQL, HTML, CSS, Confluence
- TensorFlow, AWS, Google Colab, Scrum, JIRA, Docker, GitHub, Eclipse, VS code
- Linux, Win, MacOS, VMware/VirtualBox, Wireshark, Networking (DNS, TCP/IP)

WORK EXPERIENCE

Resident Advisor ***Sacramento State University*, Sacramento, CA** ***Aug 2021 – Present***

- Develop a positive living environment for campus residents, often resolving conflicts.
- Create, market, and lead student centered hall programs to promote social, education, diversity.
- Enforce all College Living policies, promoting academic excellence, and encouraging involvement.

Apple Repair Technician ***Experimax*, San Jose, CA** ***Jan 2020 – Feb 2021***

- Assisting customers
- Troubleshooting software and hardware issues on all Apple products; Data Recovery, Malware Analysis, LCD/battery replacement…etc.

IT Advisory Board ***Sacramento State University*, Sacramento, CA** ***Aug 2018 – May 2019***

- Provided special consultation to the Vice President for IT & Chief Information Officer.
- Attended weekly meetings to discuss and suggest influencing ideas to solve issues revolving on campus technology equipment.

SOFTWARE PROJECTS

Web Development

- Developed a personal website using React Js, JS, HTML and CSS. Hosted it via GitHub.
- *Utilized*: Git, UI, npm

Yelp Business Star Rating Prediction AI

- Developed a machine learning model to parse the reviews of businesses and predict star ratings with 93% accuracy.
- *Utilized*: TensorFlow, Keras, Jupyter; Regression and Classification Algorithms

AI-based Network Intrusion Detection System

- Developed a machine learning model to detect and protect a computer network by filtering out bad connections and keeping the good ones through predictive learning. (**Accuracy Achieved: 98%**)
- *Utilized*: Python, TensorFlow, Keras, Google Colab, Neural Network, Logistic Regression

Vehicle Classification AI

- Developed vehicle classification deep learning model using CNN and transfer learning with accuracy, precision, and recall-score all above 0.70 on the validation set.
- *Utilized*: VGG16, Stanford Cars Dataset, Data pre-processing, EfficientNet B1

Store Item Price Teller

- Developed a program that takes large number of encrypted code39 barcode binary numbers & decrypts the binaries into human and computer readable ASCII characters. Returns item name and total price to the client server.
- *Utilized*: Arrays, HashMap, Stacks, Array Lists, JAVA, XML

EDUCATION

California State University Sacramento* –** Sacramento, CA ***Expected Graduation: Fall 2022

- Bachelor of Science in Computer Science
- Dean's Honor List