

# Seran Gemechu

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

## COURSEWORK

- OOP, Data Structures & Algorithms, 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, PostgreSQL, HTML, CSS
- TensorFlow, AWS, Google Colab, Scrum, JIRA, Docker, GitHub, IntelliJ, VS code
- Linux, Win, MacOS, VMware/VirtualBox, Wireshark, Networking (DNS, TCP/IP)

## WORK EXPERIENCE

- IT Operations Intern***Tesla, Fremont, CA**Incoming Summer 2022*
  - Troubleshoot and resolve endpoint issues.
  - Install and support systems and assist with day-to-day operations for Tesla’s global IT infrastructure to provide for the growth of Tesla’s initiatives.
- 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*
  - Customer support
  - Troubleshooting software and hardware issues on all Apple products; Data Recovery, Malware Analysis, LCD/battery replacement and more.
- 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/UX, npm
- OnStarter Game**
  - Developed an interactive game using Java and CodeNameOne framework that runs Cross-platform.
  - *Utilized:* Arrays, Design patterns, OOP, Sound, Animation
- Yelp Business Star Rating Prediction AI**
  - Developed a machine learning model to parse the reviews of businesses and predict star ratings.
  - *Utilized:* Keras, Jupyter, Regression and Classification Algorithms - **(Accuracy Achieved: 93%)**
- 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: 97%)**
  - *Utilized:* Python, TensorFlow, Google Colab, Neural Network
- Vendor Portal – in progress**
  - As part of senior design class and team of 7 other developers, currently working on a vendor portal for a client that allows their customers to register and submit documentation for payment to schools - significantly reducing in person-hours for school staff improving data validation and timely payment processing.
  - *Utilized:* PostgreSQL, ExpressJS, ReactJs, NodeJs, Docker

## EDUCATION

- California State University Sacramento – Sacramento, CA***Expected Graduation: Fall 2022*
  - Bachelor of Science in Computer Science
  - Dean’s Honor List