

9648 Caminito del Vida  
San Diego CA 92121  
suranamanan16@gmail.com

**MANAN SURANA**  
linkedin.com/in/manan-surana/

(858) 291-2069  
github.com/suranamanan16

## EMPLOYMENT

---

<b>Software Engineer, Intern</b>	<b>NAKAMURA PARTNERS</b>	<b>June 2020 - August 2020</b>
----------------------------------	--------------------------	--------------------------------

Automating the Process of Reading/Storing an Accounts Payable Invoice

- Built a 3-way reconciliation module in Java for an in-house procure-to-pay system using cloud-native **Java** and **RESTful services**.
- Designed the front end of a internal employee satisfaction scorecard (in **React** and **NodeJS**) and produced an executive dashboard in (tableau) as part of in corporate function development project advised by **McKinsey & Company**
- Currently being used to pay for goods and/or services rendered
- Also being used for the purposes of (1) preparing statements for the IRS, and (2) comparing the invoice to their timesheet(s)

<b>Research Intern</b>	<b>Villa Lab, University of California San Diego</b>	<b>July 2020 – Present</b>
------------------------	--	----------------------------

- In a team of two, creating and managing an evolving and scalable relational SQL database ( in **MySQL**) for researchers in the lab to systemically store and visualize their Electron Microscopy data. Will later be extended to an online portal to look up data in the database (in **React**, **NodeJS**, **ExpressJS** ) using RESTful Services.
- Contributed a component to a data-processing pipeline application in **Python** that auto-fills the database with the files present in the user-browsed directory. Helped lab **improve** operational efficiency, **increased** data throughput and **decreased** variance in quality.

<b>Tech Lead</b>	<b>DataHacks (Data Science Student Society)</b>	<b>March 2020 – Present</b>
------------------	---	-----------------------------

- Mentoring students at DataHacks 2020 organized by the Data Science Student Society.
- Planning and Organizing the annual UC San Diego DataHacks which will serve 250 students

<b>Freelancer</b>	<b>Web Designer and Developer</b>	<b>March 2020 – Present</b>
-------------------	-----------------------------------	-----------------------------

- Designed and Developed a website for a small business located in the Democratic Republic Of Congo
- Landing Page, About Us Page and a Product Page. Built a RESTful API (in **ExpressJS** and **NodeJS**) which queries product in a MySQL database and renders information to the front-end made using **React**

## EDUCATION

---

<b>San Diego, CA</b>	<b>University of California San Diego</b>	<b>Fall 2018 – June 2022</b>
----------------------	---	------------------------------

- B.Sc. in Cognitive Science with specialization in Machine Learning and Neural Networks with Minor in Computer Science. In-major GPA: 3.44.
- Undergraduate Coursework: Advanced Data Structures, Mathematics for Algorithms and System Analysis, Discrete Math, Data Structures and OOP Design

## PERSONAL PROJECTS

### Projects

- **Tweet4Me (2019)** : A Twitter-based client app made using the Twitter API that allows users to log-in and view their feed. Users can also like, retweet, and refresh their live feed. **Swift/ Parse/ Alamofire**
- **Flix (2019)** : A movie browsing that lets a user view and scroll through a list of movies. Gets data from The Movie Database API and displays it in a scrollable list in your app. **Swift**

### Languages and Technologies

- 
- Java, Javascript, Python, HTML5, CSS3, Swift, C, C++
  - ExpressJS, NodeJS, React, JQuery, MySQL, Bootstrap, MaterialUI, AWS