

## GANNAVARAPU SAI ADITYA

UX Engineer  
Maesh  
Singapore

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### PROFESSIONAL EXPERIENCE

#### UX Engineer, Maesh

Maesh is a Singaporean online payment gateway focusing on real-time bank transfers using FAST rails (PayNow).

- Early hire in the company (3<sup>rd</sup> member).
- Responsible for designing, developing different aspects of the product and played a crucial role in the vision, decisions and creating a product roadmap for the company.
- Designed and developed the Maesh dashboard for merchants.
- Responsible for transforming Maesh into a developer-first payments company in Singapore.
- Creator of maesh.js, a JavaScript library to integrate Maesh on the client-side and developed status API, webhooks for payment status and created the documentation from scratch.
- Implemented API keys for the library, Maesh API for authorization, authentication and secure communication.
- Hosted a webinar for merchants/developers on how to integrate Maesh into their web shops and also provided support for developers integrating from testing phase to moving into production.
- Responsible for revamping the Maesh WooCommerce Plugin.
- Designed and implemented Instant Refunds using DBS bank API's (Major bank in Singapore) to facilitate instant refunds through Maesh and also developed a Refund API for developers to leverage this functionality from their end.
- Implemented Automatic Payouts using the DBS bank API's for instant and easy Payout functionality.
- Implemented Reports, Invoices in Maesh dashboard for merchant reconciliation and also integrated Maesh with Xero using their API to send data for accounting.
- Played a crucial role in getting Maesh compliant according to PSA (Payments Service Act) in Singapore and apply for a payment license.

#### ML Fellow, Fellowship.AI

As a Machine Learning Fellow, I worked on developing an interface solution for fire hazard problem, which classifies scenes from a given video/image input into classes of hazard or non-hazard.

#### Specialist Programmer, Infosys

I was a full-stack developer working on Angular, React, Redux and .NET in an agile process. I was the front-end lead for a team of three working on developing enterprise web applications. Active participant in AI track of Infosys, conducting hackathons and presenting papers on AI, Machine Learning.

#### Full-Stack Developer Intern, Third Dimension.

Worked as a Full-Stack Developer in developing an e-commerce furniture website which uses Laravel, a PHP framework and POSTGRESQL in the back-end.

## PROJECTS

**Gesture Pong**, Gesture Controlled Pong game using Tensorflow.js and Object Detection API ([Link](#))

Using TensorFlow Object detection API, created a game which can be controlled using the gestures of your hand from video in front of webcam. Wave your hand in front of webcam to control the paddle. Inspired from the implementation of [Victor Dibia](#).

**Login/Registration SPA**, Vue-Firebase application ([GitHub](#))

Implemented an authentication system with real-time DB using Firebase. Built using Vue.js, Firebase, vue-router for routing, Vuetify for material design UI and vuex for state management.

**Patient Gateway** (Django/ React) ([GitHub](#))

Application built on Django (including the Django REST Framework for API CRUD operations) and React to view patients and their cancer samples for better prediction of diagnosis for doctors.

**Robot Simulation** ([GitHub](#))

Application that simulates a simple robot movement and direction using specific buttons in the interface or keyboard. Implemented using React, in process to implement in Vue.

**Drawing with Machines**, implementing Sketch RNN ([Link](#))

Implemented using p5.js and sketch\_rnn.js of Magenta, an open source research project exploring the role of machine learning as a tool in the creative process. Sketch RNN is trained on Quick Draw! doodle dataset of Google. It is generative model for vector drawings.

**3D visualization of Furniture using three.js**, deployed to Heroku ([Link](#))

This is an e-commerce store which can help the user to visualize furniture in 3D using three.js. Laravel, PHP and POSTGRES SQL for backend. three.js was used to visualize the 3D model in different ways and add different fabrics to the existing model.

For more projects, please visit my [personal website](#) or [Codepen profile](#).

## EDUCATION

2014-18	Graduation, Electrical Engineering Malaviya National Institute of Technology, Jaipur	(On a scale of 10) 5.27
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## SKILL SET AND INTERESTS

- Programming Languages - Python, JavaScript, PHP, C++.
- Front-End Web Development involving HTML, CSS, JS, jQuery, Angular, React, Vue
- Back-End Development involving Django, .NET, PHP, Ruby on Rails, SQL, LARAVEL, Docker
- Machine Learning - Regression, One-Shot Learning, Deep Learning, K-NN, SVM, Cluster Analysis, NLP, LSTM, GRU RNN, CNN

## PASTIME

Playing Football, Huge fan of Arsenal, Digital Art and Graphic Design