# Kush Pakki

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Full Stack Web/Mobile App developer.

## Professional Summary

- 5+ Years of experience in software development including open source projects.
- Full stack development experience.
- Angular/Vue Javascript development
- Experienced in Python, Java, Javascript, NodeJS, HTML/CSS
- Hands on experience developing Web/Cloud/Mobile/Desktop Applications.

## Experience

### Brighter Futures Group, Sydney, Australia — *Web Developer*

2019

- Interview and Application software development
- Created custom in-house software using JS frameworks (Angular and VueJs) with a Firebase backend
- performed general updates and maintenance on the website.
- Knowledge sharing with other members on a wide range of programming concepts - ranging from Python to modern Javascript Frameworks such as Angular, Node, VueJs and jQuery.

Technologies: Python, Node.js, Vue.Js/Angular, HTML/CSS, JS

### Physicomimetics - Research Project

2017 - 2018

- Conducted research in the field of Physicomimetics- a branch of Swarm Robotics using broad concepts in Physics and Chemistry as the inspiration for swarms rather than biological creatures.
- Developed training algorithms for Neural Networks written in Node.js to power a simulated swarm of Drones.

Technologies: Node.js, HTML/CSS/JS, AI, Physics, Research, Swarm Robotics

### XES, Middleton, Wisconsin — *Associate Business Applications Developer*

2016

- Developed Python applications for in-house use as well as analyzed and represented data on hardware component performance.

Technologies: Python, Linux, MongoDB, SQLite, Node.JS

## Awards

**District Winner, Office of Naval Research** for research in Physicomimetics.

**Top 3 in Hackathons:** Blocumenta Hackathon, Invent for the Planet, No Moss Hackathon, Jap-Aus Innovation Dojo, and Digi.Me Hackathon

**International Vice Chancellor's Award** + Scholarship for high achievement.

**High School**

Summa Cum Laude. 4.0 GPA

## Education

**MITx — Data, Economics, Developmental Policy Micromasters**

2020

## Tools And Technologies

**Languages**

Python, Node.js, Java, R, C#, HTML/CSS/Javascript, Typescript

**Frameworks**

Angular/AngularJS, Vue, jQuery, React, Svelte, UI Frameworks (Bootstrap, UIKit, Ionic, Bulma etc), PWAs/WORA (nativescript, Electron, Phonegap, Cordova), LESS/SASS, Django, Flask

**Databases**

### Kioku

An application that utilizes Augmented Reality and Computer Vision to assist patients and their families ease the stress caused by the memory loss/dementia.

Technologies: Python, Firebase, Node.JS, AR, Computer Vision, HTML/CSS/JS

### Burn-Eth-Burn

An art piece that uses burned Ethereum as fuel to procedurally generate a collaborative art piece.

Technologies: Python, Selenium, Blockchain, HTML/CSS/JS

### FlexEdu

An AI backed educational platform aimed at individualizing education on a per student basis by tuning teaching methods to the child's learning style.

Technologies: Python, Node.js, Firebase, AI (Neural Network), HTML/CSS/JS

### Finpacer

An AI tool to help budget your finances and plan for future purchases.

Technologies: Python, AI (Tensorflow), Firebase, HTML/CSS/JS

### Nuit.CSS

A flat minimal css framework that takes inspiration from monochrome design styles and classic film noir.

Technologies: UI Design, HTML/CSS/JS

### Huddle

A serverless peer to peer chat application currently running on Socket.IO.

Technologies: Node.js, serverless, p2p, Electron, HTML/CSS/JS,

### Yodamaul Stock Analysis

A simulated stock analysis tool, using techniques similar to those used by market makers such as OPTIVER.

Technologies: AI, Economics, Finance, HTML/CSS/JS

SQL (MySQL + SQLite) and NoSQL (Firebase, MongoDB)

**Technologies**

Amazon Cloud Services (AWS), Google Cloud, GIT/SVN, Atlassian (Bitbucket, JIRA, Trello, Kanban), Serverless Technologies, Digi.Me, Alibaba Cloud

**Tools**

Office Suite, Adobe Suite, Figma, Unity

**OS**

Linux/Unix, Windows, MacOS

**Languages**

English, French, Telugu, Hindi

**Hobbies/Skills**

- Music Production and Engineering
- Graphic Design
- Writing
- Run online competition with thousands of participants