# Subhash Naidu

Software Engineer | www.subhashnaidu.com

## PROFILE

A creative problem solver with a passion for technology, seeking a role in which I can apply my education and experience to contribute to the design and development of innovative solutions that address client issues efficiently while delighting users.

## SKILLS

Python, Java, C#, Javascript, .NET Core, React, Flask, Flutter, SQL, Azure, AWS, Docker

## EDUCATION

**[UCF] University of Central Florida - Class of 2019**
**BS in Computer Science, Minor in Economics GPA:** 3.5 **Accomplishments :** Dean's List
**Completed Coursework :** Statistics and Model Building, Matrix & Linear Algebra, Parallel Computer Architecture, Database Design, Object Oriented Programming, Computer Vision, Neural Networks and Data Analysis

## EXPERIENCE

Software Engineer — **Anomali**
**Remote, FL [April 2021—Present]**

- Scope, develop, test and maintain custom integrations and feeds for Anomali clients. Build and maintain internal tools (Blackroot) that support the development of custom integrations.

- Built a complete unit test suite for the blackroot platform and various third party integration plugins.

- Developed a new client facing GUI tool that helps the deployment process by making the configuration process more efficient, thereby increasing client satisfaction and reducing complexity.

- Support and train internal Sales team in scoping custom feeds and integrations.

- Deployed custom integrations on client infrastructure

- Provide personal client developer support for Anomali SDK's for Threatstream as a paid ARR-based service offering.

- Support the core Dev, Integration and Feeds team with any overflow development work.

Solutions Engineer — **Deloitte**
**Orlando, FL [August 2019— April 2021]**

- Full Stack Engineer with a Public Trust Clearance for a Federal Govt. client that deals with providing insurance for pension programs.

- Built various features for an web based ETL tool that extracts data from unstructured sources like documents and converts it to a structured database with a custom K-means clustering algorithm, data entry, analysis, reporting and dashboard tools.

- Built Rest APIs with Python, Flask and C# and .NET. Built custom forms and front end views with React, Javascript, HTML and CSS while adhering to a MVC architecture. Worked in Figma and Sketch to create mockups and wireframes of new UI/UX concepts for new app features. Designed information dense front end views to aid in data entry with less scrolling and movement.

- Built scripts with Python and Batch to automate application logging and analysis with Jupyter Notebooks, PowerBI, Pandas and NumPy. Reduced log compilation script runtime by 60%, while increasing report quality and data readability with new visuals, helping win a $35 million contract extension.

- Built a data analytics pipeline for the application that leverages Microsoft PowerBI, Python, Jupyter Notebooks, to create reports, analyze trends and measure user metrics for data entry, application performance and data entry accuracy measurements.

**Intern** — **ServiceNow**
**Orlando, FL [2018—2019]**
- Provided technical support for the ServiceNow platform. Helped clients update Javascript customizations on the ServiceNow platform. Upgraded client instances to new platform version. Coordinated timings for instance upgrades and helped clients with code breaking changes to the platform.

- Transition companies from IP ranges to dedicated IP and paired Data Centers.

- Provide maintenance and customer support for the ServiceNow Platform.

**Undergraduate Research Assistant** — **UCF**
**Orlando, FL [2016—2017]**
- Researched new methods of edge detection in images through experimental Memristor architecture.

- Implemented a graph algorithm software stack on the Memristor architecture using parallel XYCES Electronic Simulation Software.

## PROJECTS

**RedLobster Cross Platform Voice Application**
**Amazon Alexa and Google Assistant**
Sponsored by RedLobster, we were tasked with building a voice application that helps customers, get directions to the nearest locations, get wait times and wait list updates thereby improving the customer experience. Built using Jovo framework with custom model training and user flow setup and deployment. Worked with Amazon AWS and the Google Cloud dashboards to deploy with webhooks that talked to a common API service that also functions as the backend for a dashboard web app component that allows user control of application parameters filtered by location etc.

**ASL Numbers Classifier**
**Inception v3 Tensorflow AI Model**
A Convolutional Neural Network model that adds the ability to visually recognize numbers in American Sign Language, using a Machine Learning technique called Transfer Learning. Using a model that has already been generally trained on other random images. We use the models learned shape, edge and other detectors to then train it on a different or a more narrow problem, in this case ASL. Used Python for model training and testing and data wrangling. Javascript and React for a basic web cam view.

**Rumi**
**Native Android Application**
An app that lets users scan receipts using (OCR) Optical Character Recognition and be able to visually select the items they would like to split with a roommate. Users also have the ability to split receipts and send/request payments. Built using Java and Android Studio. Integrated various Google Cloud API's for OCR capability and payments processing. Built a website component using Javascript and React.

**Contact Manager**
**Full Stack Web App**
A personal contact manager web application with CRUD functionality such as adding, deleting and searching contacts. Built using MongoDB for the database layer. Connected to an Express backend API for page routing and authentication and request responses. Built the frontend with Angular all running on the Node.js runtime.