

# Shubham Jitendra Shinde

+1 (408) 627 5696 | [sishinde@scu.edu](mailto:sishinde@scu.edu) | [www.linkedin.com/in/shubhamshinde](https://www.linkedin.com/in/shubhamshinde) | [github.com/shubhamshinde](https://github.com/shubhamshinde)

## EDUCATION

### Santa Clara University, California, USA

Anticipated Mar/June 2023

Masters of Computer Science and Engineering (Ms.CSE)

Coursework : Artificial Intelligence, Solutions Architecture & Cloud, Design and Analysis of Algorithms.

### University of Pune, India

July 2017 - June 2021

Bachelor of Engineering, Computer Engineering | CGPA : 8.59/10

## TECHNICAL SKILLS

**Languages** – C++, Python ( NumPy, Pandas, Matplotlib, OpenCV, Scikit-learn, Tensorflow, Keras ), SQL, TypeScript, GraphQL

**Machine Learning** – Supervised (Linear Regression, kNN), Unsupervised (K-means clustering), Reinforced Learning

**Tools** – Anaconda (Jupyter Notebook, Spyder), Microsoft 365, PyCharm, ServiceNow, Cloud, Google Colab, VS Code, Git

## WORK EXPERIENCE

### Software Development Engineer Intern – Amazon.com Inc, Seattle USA

June 2022 – Sept 2022

- Implemented a fully functional GraphQL API for resolver function that finds 1st level object dependency for an object.
- Developed the util, resolver function in TypeScript. Wrote end-to-end unit tests using jest testing framework to ensure correctness of TypeScript codebase.
- As a result this will help internal, external customers to find all the objects which will change when a particular fragment is updated, modified or deleted and ensure objects don't have an undefined value causing exception and code to fail.

### Programmer Analyst Trainee - Cognizant, India

March 2021 - July 2021

- CSA (Certified System Administrator) and CAD (Certified Application Developer) ServiceNow certified.
- Completed on-demand courses, lab exercises on ServiceNow Fundamentals, ServiceNow Certified System Administrator, Scripting in ServiceNow Fundamentals, Application Development Fundamentals.
- Was team lead, developed a scoped leave management system to practice all learned skills.

### Machine Learning Intern – Consilio Tech, India

Nov 2020 – Dec 2020

- Developed colour extraction model using K- means algorithm, as a result extracted 8 colours from input image , displayed pie-chart with input image, resolution ,hex name and extraction time.
- Added light palette and Heat-map to the result giving 64 and 200 shades of colour respectively.
- The extraction model is used in chat-bots to give users a choice from colour shades..

## PROJECTS

### Data Science : Credit Card Transactions

- Used an ensemble of classification algorithms - Logistic Regression, SVM, Knn, Random Forest.to predict, transaction will be fraudulent or not with accuracy of more than **70%**.
- Performed data exploration, feature selection, visualisation on a data set of approximately **0.8 million** records.

### ML : Speech Emotion Recognition

- Developed a model that uses audio which contains a short sentence spoken by the speaker and examines the content and identity of the speaker by performing speaker recognition.
- Feature extraction is accomplished by Mel Frequency Cepstral Coefficients ( MFCC ) feature extraction and CNN is used for pattern recognition and classification.

### OpenCV : Fake Currency Detection Using Image Processing

- Build a machine learning model to process the image of an Indian currency and determine whether the currency is genuine or not.
- Collaborated techniques such as image pre-processing, grey scale conversion, edge detection, segmentation, feature extraction and comparison of features.
- Different methods used are thresholding, clustering methods, region based segmentation to perform segmentation in image processing. Thresholding method is used to perform segmentation where threshold values which are obtained from histogram of the edges of the original image are used.

## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate ( SAA-C02 Issue Date: Jun 19, 2022 )
- Basic Sentiment Analysis with TensorFlow.
- Capstone: Retrieving, Processing, and Visualising Data with Python (with honours).
- ServiceNow CAD (Certified Application Developer)

