

Shubham Jitendra Shinde

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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, Cloud Computing, Pattern recognition and data mining.

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 functional GraphQL API for resolver function, finds 1st level object dependency for an object.
- Developed util, resolver function in TypeScript. Wrote end-to-end unit tests using jest testing framework to ensure correctness of TypeScript codebase.
- Implemented solutions to assist internal and external customers in identifying impacted objects when a specific fragment is updated, modified, or deleted, preventing exceptions and code failure caused by undefined values.

Programmer Analyst Trainee - Cognizant, India

March 2021 - July 2021

- Holding ServiceNow certifications for both CSA (Certified System Administrator) and CAD (Certified Application Developer) Completed on-demand courses, lab exercises on ServiceNow Fundamentals, ServiceNow Certified System Administrator, Scripting in ServiceNow Fundamentals, Application Development Fundamentals.
- Developing a leave management system to apply all learned skills, I served as team lead.

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 result giving 64 and 200 shades of colour respectively.
- Deployed extraction model using chat-bot enabling users to choose from a range of colour shades

PROJECTS

Data Science : Credit Card Transactions

- Leveraged 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%**.
- Implemented 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 speaker and examines content and identity of 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 image of an Indian currency and determine whether currency is genuine or not.
- Collaborated techniques such as image pre-processing, grey scale conversion, edge detection, segmentation, feature extraction and comparison of features.
- Image segmentation uses methods such as thresholding, clustering and region-based. Thresholding uses histogram of image edges to set threshold values.

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).

