

SUMMARY

Motivated and dynamic computer science graduate interested to work in a collaborative and cross functional environment. Skilled in front-end technologies, software engineering infrastructure and have experience working as a Quality Engineer. Core competencies include Algorithms, Web Programming, Database Management.

WORK EXPERIENCE

- **Quality Engineering Intern at Lumentum LLC (May 2020 - March 2020)**
As a Quality Engineer at Lumentum, I was a part of several projects. Worked on migrating Quickbase supplier metrics to **JIRA** and created interactive dashboards. Developed **python** script to extract supplier data from Box and further create charts in **Tableau**. Also, helped Lumentum suppliers to get on board with the new system in place and solve their problems.
- **Teaching Assistant for CS201- C++ programming course. (Jan 2020 - May 2020)**
Responsibilities include preparing study material for lab, grading assignments, and quizzes, assisting students in programming lab and solving their doubts.

TECHNICAL SKILLS

- Languages- Python, Java, C++.
- Libraries- NumPy, Pandas, Spacy, Matplotlib, sklearn, Seaborn, OpenCV, TensorFlow, Keras Beautiful Soup, etc.
- Databases- MySQL, MongoDB, Firebase,
- Web Technologies - HTML, CSS, JavaScript, Flask, React.js, Express.js, Node.js etc.
- Tableau, Jira, AWS Jupyter Notebook, Android Studios, etc.

ACADEMIC PROJECTS

- **Animal Vehicle Collision Detection**
Developed an **android** application using **computer vision** to detect animal vehicle collision using **deep learning, OpenCV, TensorFlow**. Developed a web service in **Flask** to collect path data from image. The application predicts which animal it is and where it is heading.
- **Smart Health Monitoring System**
A smart health monitoring system was developed which tracks various health parameters such as heart rate, oxygen level, and temperature. A web application was build using **Flask, MySql** used as a database, and various charts were displayed using **Highcharts**.
- **Hindustan Tours – A React Application**
Design and developed web application using **React** as front-end technology with **Node.js** server and **Nedb** a document-oriented database. Iteratively deployed the application and managed source code on **GitHub**.
- **Docbot Medical Consultancy Chatbot using Deep Learning Approach**
A medical chatbot that communicates with the user and take appropriate action based on user queries such as disease identification, medicine recommendation, symptoms of a particular disease etc. Used **spacy, pandas, TensorFlow** and deployed the App on Telegram with the help of **Telegram Bot API**.
- **ETL operations on Bart Station and California Pension data**
Automated the process of scraping data from Bart Station and Transparent California Website over Secure Socket Layer using **Beautiful Soup**. Transformed data into **MySql** relational database using stored excel sheets using **pandas**.

EDUCATION

Master of Science in Computer Science at California State University East Bay

August 2019– May 2021

Bachelor of Engineering in Computer Engineering at Savitribai Phule Pune University

July 2015 – June 2019

RESEARCH PAPERS

- DOCBOT: A Medical Consultancy Chatbot Using Deep Learning Approach. Published in Technical Journal of The Institution of Engineers India.
- Smart Implanted NFC Based System to Expedite Medical Treatment. Published in IJPAM 2018.
- Textual Content Moderation Using Supervised Machine Learning Approach. Published in the proceedings of ICINC 2019.
- Proposed IOT Approach to Ameliorate Traffic Conditions. Published in IJIRCCCE.
- A Lucrative Model for Harnessing the Power of Social Media. Published in the proceedings of ICCPS.