SHREYASH GONDANE

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EDUCATION

New York University   Expected
MS in Computer Engineering   May 2023
Coursework: Database Management System, Computer Architecture

Vishwakarma Institute of Technology (Savitribai Phule Pune University)   Pune, IND
B.Tech in Electronics & Telecommunication   Jul 15' - May 19'
Coursework: Computer programming, Data Structures and Algorithm, Object oriented programming,Core Java

TECHNICAL SKILLS

- **Programming :** C, C++,OOP, Java, JavaScript, JQuery, HTML/CSS, Python, SQL, Unix
- **Frameworks :** Apache Struts, Hibernate, Maven Spring, XML, TensorFlow, Keras
- **Utilities :** Eclipse Neon,Oracle Data Modeler,SQL developer, PyCharm, Jupyter, Arduino IDE, Scikit-learn

PROFESSIONAL EXPERIENCE

Tata Consultancy Services   Pune, IND
Software Developer   Aug 19' - June 21'
- Developed **front end framework** for Core Banking Solution web application collaborated in **Eclipse, JavaScript, JQuery, Apache Struts and Hibernate** which is used **over 2000+ network branches** and **15 million** customers of Bank of Maharashtra
- Deployed, Analyzed and Improved application efficiency by **12%** by integrating all banking functionalities on **Oracle Web logic Server with Core java, Maps** into multiple modules such as Customer Management, Deposits, Loan, Tax and Common Processing.
- Debugged more than 100+ web application errors,Version up-gradation, Data Migration and modification with client needs.

Entwicklers Tech. Tribe   Pune, IND
Full Stack Developer Intern   Jan 19' - May 19'
- Developed **Spring-Maven** education sector based web app in **eclipse,Java and JavaScript** reduces paperwork by **75%**
- Directed the **backend architecture** for web application using **Apache Tomcat Server** and built a **RESTful web service** in **Java**
- Assessed a functionality of **Data Loader, Automated Impact Analysis** and helped improve system performance by **2 sec**

PROJECT HIGHLIGHTS

Flight Booking System
- Prepared web application for flight booking system with web interface in **PHP** and back end database architecture Implemented using **Oracle data modeler** with local database in **MYSQL**.
- Enabled security features by providing encryption of of password data to run-block 1st and 2nd order SQL injection attack.

Advance Surveillance System in Image processing and IoT
- Introduced a Software hardware system for **video surveillance, human machine interaction and security** purposes using **Raspberry Pi, PyCharm with Keras, Pandas,Twillio** and **OpenCV** usable across 10+ departments
- Executed **Haar cascade** with **CNN over ANN approach achieved accuracy up to 96.7%** for **intruder detection** with real time image processing and IoT functionality
- Added Function of capturing and updating data like **time-stamp, name and unknown's data in CSV file for security analysis**

Chabot for QnA and car classifier platform
- Built **chatbot** application for **automobile companies** to address customer queires and car feature customised options as per customer requirements, increases 40% productivity
- Implemented API tool with **Chatterbot, NLTK library ,Cosine similarity, Naive Bayes Classifier to train dataset** for reaches more than 85% of accuracy of NLP text generation.
- Modifyed and managed **MySQL database** in **Pycham** with **Pandas** for fetching data On UI for customer service

Speech Recognition Approach for Automated command based robots & Home Automation
- Created home automation system using speech recognition on **MATLAB Audio Toolbox, Deep leaning Toolbox**
- Applied **Correlation and Convolution Algorithm** for input pattern Recognition, waveform attains about 78% signals precision correction setup in **Signal Processing Toolbox** for command mapping

Hand gesture controlled PowerPoint Presentation
- Designed script for controlling PowerPoint presentation on Hand gestures in **PyCharm** achieves about 92% accuracy
- Co-ordinated in python **Gaussian blur algorithm, Haar cascading,CNN for image processing** for various hand gesture signs

PUBLICATIONS

A Virtual Assistant Chatbot Architecture based on NLP for Customer Service in Automobile Industry. (RAAI 2020). Springer Nature - (Advances in Intelligent Systems and Computing) AISC Book Series. [Paper Link]

A Machine Learning Based Approach to Password Authentication using Keystroke Biometrics. Machine Learning, Deep Learning and Computational Intelligence for Wireless Communication. Springer, Singapore. [Paper Link]