

SHREYASH GONDANE

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EDUCATION

New York University

MS in Computer Engineering

Coursework: Database Management System, Computer Architecture, Cloud Computing, Data Structures and Algorithm

Expected

May 2023

Vishwakarma Institute of Technology (Savitribai Phule Pune University)

B.Tech in Electronics & Telecommunication

Coursework: Computer programming, Data Structures and Algorithm, Object oriented programming, Core Java

Pune, IND

Jul 15' - May 19'

TECHNICAL SKILLS

- Java, JavaScript, JQuery (2 years || proficiency- 4/5)
- Python (1.5 years || proficiency- 4/5)
- HTML/CSS (1 year || proficiency- 3/5)
- Frameworks : Struts, Spring, React, Tensorflow
- SQL, Unix (2 years || proficiency- 5/5)
- C, C++ (2 years || proficiency- 4/5)

PROFESSIONAL EXPERIENCE

Tata Consultancy Services

Software Developer (Java, JavaScript, JQuery, SQL, Linux - 1.5 years)

Pune, IND

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

SDE Intern (Java, Javascript, JQuery, SQL, Linux - 6 months)

Pune, IND

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

(Oracle Data Modeler, Php, MySQL - 3 months)

- 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 password data to run-block 1st and 2nd order SQL injection attack.

Advance Surveillance System in Image processing and IoT

(Python-Pandas, OpenCV, MySQL - 1 year)

- Introduced a Software hardware system for video surveillance, human machine interaction and security purposes using Raspberry Pi, PyCharm with Keras, Pandas, Twilio 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

(Python, NLP, MySQL - 6 months)

- Built chatbot application for automobile companies to address customer queries 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.
- Modified and managed MySQL database in PyCharm with Pandas for fetching data On UI for customer service

Speech Recognition command based robots & Home Automation

(Python, Signal Processing, Matlab - 4 months)

- Created home automation system using speech recognition on MATLAB Audio Toolbox, Deep learning 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

(Python, CNN, OpenCV keras - 4 months)

- 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]