

SHOBHIT JAIN

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EDUCATION:

The University of Texas at Dallas, Richardson Texas, USA

Expected: May 2020

Masters of Science (M.S.) Computer Science, Data Science Track

Coursework: Machine Learning, Database Design, Object Oriented Analysis Design, Big Data, Web Programming

Jaypee Institute Of Information Technology, Noida, India

June 2018

Bachelor of Technology (B.Tech) with Honors in Computer Science Engineering

Coursework: Fuzzy Logic & Neural Network, ML, AI, NLP, Data & Web Mining, CRM, Managing & Marketing Tech, DS & Algo, OS, DBMS

SKILLS:

Languages / Databases : C, C++, Java, Python, MySQL, C#, Scala, Microsoft Access, Oracle Database, MongoDB, NoSQL

Web Technologies : HTML, XML, Javascript, CSS, PHP, Node JS, CGI, TCP Socket Programming, Firebase, APIs(Rest)

Data Sciences : Machine Learning, NLP, Data & Web Mining, Hadoop, Map Reduce, Clustering/Classification

Framework / Software : Sklearn, TensorFlow, Keras, Android Studio, Adobe Photoshop, XCode, Pycharm, AWS

Additional Coursework : Google with Applied CS, Android App Development, Machine Learning, Java Core, Matlab

SE Methodologies : Agile, Kanban, S.O.L.I.D. Principles, Git Version Control, Arduino, Putty

WORK EXPERIENCE:

Machine Learning and Computer Vision Intern, 7-Next(R&D division of 7-Eleven)

May 2019-Aug 2019

- Worked across a full stack of technologies for **Computer Vision via non-camera high-tech sensors** from accessing data at the hardware level to full integration, visualization within a UI for further processing of raw data, **leveraging Python, NodeJS, C++, C, and Kafka**. **Developed Computer Vision and Machine Learning Algorithms** for making in-store physical experience totally digital. Collaborated in **Scrum and Agile** methodologies in 2-week sprint cadences tracked via Jira.
- Presented to **senior directors and VP** of company to show tangible business impacts of project and transition project for future deployment with potential to rollout in **65000+ stores** and save **multi billion dollars** to company.
- **Patent Filing & Project's Pilot** in progress. Regular Design thinking and Experimentation to validate hypothesis
- Technical Stack: **Computer Vision, Machine Learning, Python, NodeJS, C++, C, Kafka**

Teaching Assistant at UTD & Student Instructor, CS Outreach at UTD

Aug 2018-Present

College Mentor, Young Women in Science & Engineering, Richardson, Texas

Aug 2018-Present

Software Development Intern, Neuronimbus Software Services Private Limited

April 2017-May 2018

- Developed a **Chatbot Engine** using **ML, NLP(Stemmer), AI and Android** that employs sentiment analysis to improve conversations. Same can be employed across **any industry vertical**.
- Chatbot was sold to **Maruti Suzuki**(India's Largest Automobile manufacturer), **Hero Bikes**, **Lloyd AC**, etc.
- Made UI (User Interface) Modules of **Nikon India App** in Android Studio. **4.5+ rating, 100,000+ downloads**.

Software Engineering Intern, Lexis Nexis India Pvt Ltd.

April 2016-Dec 2016

Employed **Java, Python, XML, SQLITE and HTML** to integrate their Country-Wise database into one common database.

INDIVIDUAL TECHNICAL PROJECTS:

➤ **Smart Wheelchair**

Feb 2017-April 2018

A **unique** smart wheelchair that is made keeping the demands of physically handicapped people in mind. Has **20+ features** like Voice Controlled/Phone's sensor Movement, Face Recognition, Collision-Avoidance & Detection, Anti-Theft, etc

Tech : **Internet of Things-Raspberry Pi 3B; Node.JS, NLP Android, Express JS Server, JavaScript, Socket Progg, Travis** etc

➤ **Implementing ML Algorithms to predict Top 3 Places of Facebook User to Check-In**

Sep 2018- Dec 2018

Posted by **Facebook** on **Kaggle**, implemented Random Forest, Naïve Bayes, Adaboost, KNN, XGBoost.

➤ **Twitter Sentiment Analysis using Machine Learning & NLP**

Aug 2017-Aug 2017

Crawled Data, Did Pre-Processing, Applied Porter Stemmer(**NLP**), Random Forest Classifier, Developed own Formula etc.

➤ **Movie Recommendation using Machine Learning**

May 2016-May 2016

Tech: **Supervised Learning Naive Based Classifier, NLTK, BeautifulSoup Web Crawling, Android Studio**.

➤ **Android Application Development:-** Developed **25+ major Android Apps(Java)** relating to various fields & sold 7.

➤ **Mario Game :-** Developed in **Unity 3D** using **C#** with various **visual animations and sound effects**

➤ **Online Stock Trading Website- Indian Traders**

Oct 2015-Dec 2015

Tech: **HTML/CSS, MYSQL DATABASE, Triggers, XAMPP, PHP** to develop this interactive website to manage stock trading.

ACHIEVEMENTS & EXTRACURRICULAR:

- **1st Prize in Google Applied CS Code Sprint 2017 (Hackathon)**

Dec 2017