

## EDUCATION AND TRAINING

**Master of Computer Science:** North Carolina State University - Raleigh, NC.

*Anticipated in May, 2021*

**Bachelor of Engineering** (Information Technology): Jabalpur Engineering College - Jabalpur, India

## TECHNICAL SKILLS

**Languages/Frameworks:** Python, Ruby, Java, JavaScript, NodeJS, ReactJS, Oracle JET, HTML, CSS, Cordova

**Product Competencies:** Oracle Digital Assistants, Oracle Mobile Hub, Oracle Content Experience Cloud, Kore.ai, Dialog Flow (Google), Wit.ai (Facebook)

**Database:** Oracle Autonomous Database Cloud (12c), MySQL PostgreSQL, MongoDB

**Tools:** XCode, Android Studio, PyCharm, Ruby Mine, IntelliJ IDEA, NetBeans, Eclipse, Adobe Photoshop

**Certifications:** Oracle Certified Specialist, **Mobile Cloud** Service 2016 Developer, Oracle MOOC: **Chatbots** with Oracle Intelligent Bots, Soar higher with Oracle **JavaScript** Extension Toolkit (JET) 4.0 (2018), **NodeJS Using Oracle Cloud**

## WORK EXPERIENCE

**Graduate Research Assistant / NC State University (Artificial Intelligence Lab)**- Raleigh, NC

*Sep 2019 – Current*

- Development of web application in ReactJS and NodeJS for argumentation analysis of any document.
- Argument Mining using Natural Language Processing.

**Associate Consultant / ORACLE Consulting Solution Center** - Bangalore, IN

*Feb 2017 – Aug 2019*

- Developed custom software solutions for chatbots (digital assistants), mobile apps and web apps using various Oracle Cloud products.
- Worked at the client location in **Dubai, UAE** to implement their first Artificial Intelligence conversation agent.
- Provided training and supervision to around 15 member staff for the training of conversation agents and JavaScript frameworks.
- Collaborated closely with Product Managers of different PaaS cloud products to customize the product in a best possible way to achieve the customer requirements.
- Developed new product extensions for WhatsApp, Voice based channel for Oracle Digital Assistants to meet the customer requirements and later collaborated with the engineering team to use the same to extend the product features

## PROJECTS

### Artificial Intelligence Chatbot – ADDED AI

- Developed rest APIs in Node.js with Oracle DB to get data from machine learning batch process.
- Integration with multiple channels like WhatsApp, SMS, Web, Facebook by developing extensions in NodeJS
- Development of a component for conversation client for web and JavaScript based mobile app which includes voice recognition

### Employee Engagement – Chatbot, Mobile (Android and IOS) and Web App

- Created a component to update the code remotely which doesn't require new app build for new features and changes
- SSO Integration with Microsoft AD and Oracle Mobile Hub by modifying the MSAL library to support hybrid mobile apps
- Played the role of lead in the absence of team members to plan, assign and deliver. Received project innovation award

### Sentiment Analysis Using Stanford Core NLP

- Using Twitter APIs to pull tweets using hashtags and passing it to the appropriate NLP method for the POS tagger.
- Displaying the polarity of sentiments of tweets in graphs, bar and pie charts

## EXTRACURRICULAR

### Winners of Rise to Code LexisNexis Annual Hackathon

Among 40 participant teams organized by LexisNexis for students in Research Triangle Area, NC

**Head Student Coordinator / Training and Placement Office, JEC** - Jabalpur, IN

*Aug 2014 – May 2016*

- Implemented web portal and REST APIs for registration of students and triggering notifications for various placement activities. Management and analysis of data of 2800+ students for career development and hiring activities
- Effectively controlled the execution of over 50+ campus drives and career events by leading a team of 15 members