Ayush Jain

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LinkedIn   **Portfolio**

919-633-6916

EDUCATION AND TRAINING

Master of Computer Science: North Carolina State University - Raleigh, NC.   *Anticipated in Dec, 2020*

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

TECHNICAL SKILLS

Languages/Frameworks: Python, Ruby, JavaScript, Node.js, React.js, Angular, Oracle JET, HTML, CSS,, Flask, Ruby on Rails

Product Competencies: Jenkins, Docker, Amazon Web Services (ECR, ECS, S3), 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

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

Software Engineer Intern / LexisNexis - Raleigh, NC   *May 2020 – Current*

- Implementation of CI/CD to automate the build process and deployment using Jenkins, Azure DevOps and Amazon Web Services (AWS).
- Integrated a framework to establish a contract driven testing between API endpoints and Consumer which is published via Docker images and can be used irrespective of the programming language.

Graduate Research Assistant / NC State University (Artificial Intelligence Lab)- Raleigh, NC   *Sep 2019 – Current*

- UI Development of Intelligent Probability Tutor Application using ReactJS and microservices using Node.js.
- Pedagogical policy implementation in Python (Flask) by developing the services to exchange the data between UI and backend.
- Deployment on AWS using docker for all 4 applications (Prolog, UI(ReactJS), Socket (Node.js), API(Flask))

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 open source technologies along with 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 conversation agents(chatbots) and JavaScript frameworks.
- Collaborated closely with Product Managers of different PaaS cloud products to customize the product by developing extension in a best possible way to achieve the customer requirements.

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 using webhooks 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

- Processing live data streams of tweets from twitter APIs using Apache Spark, Kafka and Python.
- Sentiment analysis on the tweet streams using Natural Language Processing.
- Displaying the polarity of sentiments of tweets in graphs, bar and pie charts

EXTRACURRICULAR

Winner of Rise to Code LexisNexis Annual Hackathon Among 25 participanting teams in Research Triangle Area, NC