

SANDEEP NADELLA

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WORK EXPERIENCE

SENIOR SOFTWARE DEVELOPER, ORACLE [JUNE 2015 - JULY 2018] *Member of Commerce Cloud Integrations Team*

- Contributed to the development of **Oracle Commerce Cloud Adapter** by working on **Oracle Integration Cloud Services (ICS) SDK**
- Led the successful migration of Oracle Commerce Cloud internal API documentation to JSON Hyper-Schema, **OpenAPI Specification (OAS)**
- Implemented and maintained **Swagger** functionality of ICS/OIC CC adapter
- Contributed to **Commerce-Responsys** (part of Oracle Marketing Cloud), **Commerce-SiebelCRM** integrations
- Authored several My Oracle Support (**MOS**) articles and public documentation articles to assist customers in setting up integrations in ICS/OIC
- Developed the front end and back end designs for **CC-OROMS** integration using **JavaScript** and **Java**
- Designed **XSLT** templates for mapping data between **Oracle FOM** and **Commerce, OROMS** and **Commerce**
- Worked on **Product Hub** integration which includes exporting and importing product data individually and in bulk
- Implemented **Oracle Engagement Cloud for Communications** integration
- Formulated Swagger template based **NodeJS** custom extensions development for **Commerce Cloud**

SOFTWARE DEVELOPER, ARIZONA STATE UNIVERSITY [JAN 2019 - PRESENT] *Part-time, Full Stack Developer*

- Developed Analytics applications for SoMSS, AMLSS departments, MTBI program using Node.js, Angular, Cube.js
- Deployed applications on Amazon Web Services(AWS) and local web servers
- Setup and Maintained Docker based Open source software such as Opencast for SoMSS, Concerto for CHS departments
- Setup and Maintained High performance Computing servers, Department and Lab systems involving Bash scripting
- Integrated Concerto with REDCap for CHS department

INTERN, INDIAN INSTITUTE OF SCIENCE, DEPARTMENT OF AEROSPACE SUMMER INTERNSHIP 2014 *Under supervision of Dr. S. N. Omkar*

AERIAL SCENE UNDERSTANDING USING DEEP WAVELET SCATTERING NETWORK AND CONDITIONAL RANDOM FIELD, ECCV 2016 WORKSHOPS
Interned on Image Processing and **Computer Vision**. The project aimed at constructing city maps from aerial images obtained by UAVs and classification using CRFs.

EDUCATION

MASTER OF COMPUTER SCIENCE ARIZONA STATE UNIVERSITY ARTIFICIAL INTELLIGENCE SPECIALIZATION

[AUGUST 2018 - MAY 2020]
CGPA: 4.11/4

BACHELOR OF TECHNOLOGY NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL ELECTRONICS AND COMMUNICATION ENGINEERING

[JULY 2011 - MAY 2015]
CGPA: 8.12/10 (≈ 3.8/4)

INTERMEDIATE BOARD OF INTERMEDIATE EDUCATION MATHEMATICS, PHYSICS, CHEMISTRY

[2009 - 2011]
CGPA: 96.5/100

ACADEMIC ACHIEVEMENTS

- Engineering Graduate Fellowship **2018-2019, 2019-2020**
- All India Rank of **3468** in **AIEEE** (Appeared: 1.05 Million)
- State Rank of **148** in **EAMCET** (Appeared: 0.3 Million)
- All India Rank of **34** in **SRMEEE** (Appeared: 0.15 Million)

COURSES

- Semantic Web Mining
- Data Mining
- Software Engineering
- Data Processing at Scale
- Software Design
- Artificial Intelligence
- Data Visualization
- Human Computer Interaction
- Mobile Computing
- Computer Networks

SKILLS AND ABILITIES

PROGRAMMING LANGUAGES

Java, JavaScript, HTML, CSS, SQL, XSLT, Python, MATLAB, TypeScript

TECHNOLOGIES, LIBRARIES, TOOLS USED

Cube.js, Node.js, D3.js, Chart.js, Angular(TypeScript), JSON Web Tokens(JWT), OAuth, Oracle ATG Web Commerce platform, J2EE and Web design, development essentials, REST and SOAP web services, JSON/XML, Claudia.js, Amazon Web Services(AWS), AWS Lambda, API Gateway, Android App Development SDK, Jasmine testing, Selenium IDE, JUnit testing, MySQL, PostgreSQL, Python – Django framework, TensorFlow APIs, Git, Perforce, ADE source code version control tools, Gradle, Maven build tools, OpenCV, Docker, Tableau, Google Firebase, ML Kit, Spotify Web and Android SDKs, Axure RP for Prototyping

OPERATING SYSTEMS

Windows, MacOS, Android, iOS, Linux (Debian, RedHat)

PROJECTS

- Human Activity Recognition** - Computing system to recognize various activities recorded using Myo gesture control armband. Training is done using Decision Trees, Support Vector Machines (SVM) and Neural Networks
- A cross platform to-do list application using **JavaFX**
- Relay Node Placement** - Algorithmic implementation and Visualization for solving BCRP-MNCC, BCRP-MLCC problems using NetworkX
- Exaltly** App - Context based playlist recommendation app which integrates with Spotify
- Action** App - Mobile application to train custom gestures and test for accuracies using various Machine Learning models
- Health Care Mining** App - An information extraction system that turns unstructured medical healthcare data from sources like WebMD.com, Drugs.com, Patient.info into structured information provided with a parametric search interface
- Geospatial Query using Apache Spark** - Identifying statistically significant hot spots by applying spatial statistics to spacio temporal Big Data using Spark SQL
- Constructing Influence Flowers for Real Estate Businesses** - Visualizing contribution of various real estate business categories to the City's growth
- Influence Flowers for Movie Industry** - Visualizing contribution of Directors, Writers to a genre collection in the Movie industry