

# SANDEEP NADELLA

+1 (480) 383-3556  
<https://github.com/SandeepNadella>

[vssandeepn@gmail.com](mailto:vssandeepn@gmail.com) | [sandeep.nadella@asu.edu](mailto:sandeep.nadella@asu.edu)  
<https://www.linkedin.com/in/sandeep-nadella>

## WORK EXPERIENCE

### SOFTWARE ENGINEER, ALIGN TECHNOLOGY [JUNE 2020 - PRESENT] *Member of Consumer Applications Team*

- Built monitoring dashboard application for analyzing the performance metrics of applications deployed on Heroku. Tech stack includes React, NodeJS, Postgres and Redis.

### 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
- 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 [FEB 2019 - MAY 2020] *Part-time, Full Stack Software Developer*

- Developed Analytics applications for SoMSS, AMLSS departments, MTBI program using Node.js, Angular, Cube.js
- Developed core application features including JSON Web Token(JWT) based application login, Secure file storage in AWS S3, Visual analytics dashboard using Cube.js and Chart.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
- Offered technical assistance for the maintenance of High-performance Computing servers, Department and Lab servers involving Bash scripting
- Integrated Concerto with REDCap (Clinical EDC Software for translational research) for the College of Health Solutions using R language

### 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 COMPUTER SCIENCE

[AUGUST 2018 - MAY 2020]  
GPA: 4/4

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

[JULY 2011 - MAY 2015]  
GPA: 8.12/10 ( $\approx$  3.6/4)

### INTERMEDIATE BOARD OF INTERMEDIATE EDUCATION MATHEMATICS, PHYSICS, CHEMISTRY

[2009 - 2011]  
GPA: 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

### 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, MATLAB, 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

- 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
- Relay Node Placement** - Algorithmic implementation and Visualization for solving BCRP-MNCC, BCRP-MLCC problems using NetworkX
- A cross platform to-do list application using **JavaFX**
- Exalty** 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