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| [vssandeepn@gmail.com](mailto:vssandeepn@gmail.com)  [sandeep.nadella@asu.edu](http://sandeep.nadella@asu.edu)  [linkedin.com/in/sandeep-nadella](http://linkedin.com/in/sandeep-nadella) | **SANDEEP NADELLA** | [+1 (480) 383-3556](tel:+14803833556)  [sandeepnadella.github.io](http://sandeepnadella.github.io/)  [github.com/SandeepNadella](http://github.com/SandeepNadella) |

**SUMMARY**

Professional Cloud Application Engineer with three years of experience seeking full-time opportunities starting May 2020

**EDUCATION**

**Master of Computer Science (MCS), Computer Science August 2018 - May 2020**

Arizona State University (ASU), Tempe; United States GPA: 4.11/4

**Bachelor of Technology (B.Tech), Electronics and Communication Engineering July 2011 - May 2015**

National Institute of Technology, Warangal (NITW); India GPA: 8.12/10 (≈ 3.8/4)

**TECHNICAL SKILLS**

**Programming Languages:** Java \*, JavaScript, HTML5, CSS, SQL, Python

**Technologies, Libraries, Tools:** Cube.js, Node.js, D3.js, Chart.js, Bootstrap, 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, XSLT, Jasmine testing, Selenium IDE, JUnit testing, MySQL, PostgreSQL, Python – Django framework, TensorFlow APIs, Git, Perforce code version control tools, Gradle, Maven build tools, OpenCV, Docker, Tableau, Google Firebase, ML Kit, Spotify SDKs, Axure RP for Prototyping

**Operating Systems:** Windows, MacOS, Android, iOS, Linux (Debian, RedHat)

**PROFESSIONAL EXPERIENCE**

**Arizona State University, Tempe: Full Stack Software Developer January 2019 – Present**

* Built 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 Apache web servers
* Deployed 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 (Clinical EDC Software for translational research) for the College of Health Solutions using R

**Oracle Corporation: Senior Software Developer (Member of Commerce Cloud Integrations Team) June 2015 – July 2018**

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

**Indian Institute of Science, Bangalore: Research Intern in Computer Vision (Department of Aerospace) May 2014 – July 2014**

* Constructed city maps from aerial images obtained by UAVs and classification using CRFs
* Published a [research paper on Aerial Scene Understanding](https://link.springer.com/chapter/10.1007/978-3-319-46604-0_15) at ECCV 2016 workshop

**ACADEMIC PROJECTS**

* [**Human Activity Recognition**](https://github.com/SandeepNadella/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
* [**JavaFX**](https://github.com/SandeepNadella/To-Do-List-Unlimited) **App** - A cross platform to-do list application developed using Java
* [**Relay Node Placement**](https://github.com/SandeepNadella/RelayNodePlacement) - Algorithmic implementation and Visualization for solving BCRP-MNCC, BCRP-MLCC problems using Python based NetworkX
* [**Exalty**](https://github.com/SandeepNadella/Exalty) **App** - Context based playlist recommendation app which integrates with Spotify
* [**Action**](https://github.com/SandeepNadella/Action) **App** - Application to train custom gestures and test for accuracies using various Machine Learning models using Weka
* [**Health Care Mining**](https://github.com/SandeepNadella/healthcare-data-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**](https://github.com/SandeepNadella/hotspot-analysis) - Identifying statistically significant hot spots by applying spatial statistics to spacio temporal Big Data using Spark SQL
* [**Construction of Influence Flowers**](https://github.com/SandeepNadella/influence-flower) - Visualizes the contribution of various real estate business categories to the City's growth and the contribution of Directors, Writers to a genre collection in the Movie industry

**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)