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SANDEEP NADELLA

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SUMMARY

Professional Cloud Application Engineer with five 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, Tempe; United States CGPA: 4.11/4

Bachelor of Technology (B.Tech), Electronics and Communication Engineering **July 2011 - May 2015**
National Institute of Technology, Warangal; India CGPA: 8.12/10 (≈ 3.8/4)

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, HTML5, CSS, SQL, Python, MATLAB, XSLT
Technologies, Libraries, Tools used: 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, 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)

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
- Deployment of applications on Amazon Web Services(AWS) and local Apache web servers
- Deployment and Maintenance of Docker based Open source software such as Opencast for SoMSS, Concerto for CHS departments
- Setup, Maintenance of High performance Computing servers, Department and Lab systems involving Bash scripting
- Integration of Concerto with REDCap for CHS department using R language

Oracle Corporation: Senior Software Developer (Member of Commerce Cloud Integrations Team) **June 2015 – July 2018**
- Worked on Oracle Integration Cloud Services (ICS) SDK and contributed to the development of Commerce Cloud Adapter
- Undertook the migration of Commerce Cloud internal API documentation to JSON Hyper-Schema, OpenAPI Specification
- Implementer and maintainer of 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
- Worked on NodeJS based custom extension server framework for Swagger template based development

Indian Institute of Science, Bangalore: Research Intern (Department of Aerospace) **May 2014 - July 2014**
- Interned on Image Processing and Computer Vision. The project aimed at constructing city maps from aerial images obtained by UAVs and classification using CRFs. Published a research paper at ECCV 2016 workshop.

ACADEMIC 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
- **JavaFX App** - A cross platform to-do list application developed using Java
- **Relay Node Placement** - Algorithmic implementation and Visualization for solving BCRP-MNCC, BCRP-MLCC problems using Python based NetworkX
- **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
- **Constructing Influence Flowers for Real Estate Businesses** - 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)