Sundesh Raj

Austin, TX 78728 • +1 (682) 347-0670 • sundeshraj1993@gmail.com • www.linkedin.com/in/sundeshraj

ENGINEERING PROFILE

Machine Learning / Software / Data Science / Java Software & Web Development

Dedicated software developer with 2+ years of industrial exposure and the capacity for innovative and creative problem solving. Detail-oriented and organized computer scientist with proficiency using high technology for data analysis to increase efficiency, accuracy, and utility of data processing. Effective communicator and resourceful collaborator able to function well independently or as a member of a project team. Familiarity with machine learning and use of linear regression models to perform statistical analysis.

Core Technologies

Languages	Java 9, MySQL, CSS-3, HTML5, JavaScript, R, Python 3.7
Databases	MySQL 5.7, MongoDB 4, SQLite, Oracle DB 11G, Kinvey Cloud mBaas
IDEs	Eclipse, Android Studio 3.3, R Studio, Anaconda (Spyder, Jupyter), InstallShield IDE
Machine Learning & Neural Network Models	Linear Regression, Naive Bayes', Logistic Regression, Linear Discriminant Analysis, Support Vector Machines, Decision Trees, Ensemble Methods, Perceptron Learning, Hebbian Learning, GAN, Performance Optimization, Multi-Layer Neural Networks, Convolutional Neural Networks
Web Services	REST APIs, JAVA Servlets, NodeJS REST End Points
Frameworks	AngularJS 1.2, JQuery, MEAN Stack, IONIC 2.0, TensorFlow 2.0 with Keras
Project Repositories	GitHub, SVN

EDUCATIONAL BACKGROUND

Master of Science in Computer Science (Specializing in AI and Database Systems) – May 2020

University of Texas at Arlington, Arlington, TX (Cumulative GPA: 3.58)

Graduate Coursework: Data Analysis and Modelling Techniques, Web Data Management and Database Systems, Artificial Intelligence, Machine Learning, Neural Networks, Cloud Computing, Data Science and Software Engineering

Bachelor of Engineering in Computer Science – July 2015

Visvesvaraya Technological University, Belgaum, India

Training

Intern, Schneider Electric India Pvt Ltd: Developed simple AR applications using the Metaio SDK in Android Studio to track 2D real-life images and augment appropriate content in collaboration with four-person team.

EXPERIENCE HIGHLIGHTS

Schneider Electric India Pvt Ltd,
Software Engineer, October 2015 – July 2018
Designed, developed, and maintained software infrastructure with fellow engineers. Provided design input specifications, requirements, and guidance for algorithm implementation for solution/application development. Initially wrote REST APIs in NodeJS over Kinvey Cloud Mobile backend as a service (mBaas) and moved to development of Hybrid Mobile apps. Worked on JAVA midware development to interface between Mobile/Web Apps (frontend) and the cloud mBaas (backend), subsequently moving to Java web app development to monitor, configure, and maintain SmartUPS devices.

- Delivered stable apps during quick turnaround sprint cycles without affecting deadlines while learning new technologies.
- Conducted software testing to support QA team on tight deadline, driving ongoing efficiency and reliability improvements.
- Supported two Legacy JAVA projects, PowerChute Business Edition 9.5 and PowerChute Business Edition 10.0 – Smart UPS management and maintenance software.
- Implemented SNMP component and Windows and Linux installers along with localization to Chinese and Japanese languages.
- Wrote scripts for continuous build system and used data analytics app with linear regression models to analyze UPS fault logs and analyze customer feedback. Deployed R packages to serve as REST end points for UI to consume using OpenCPU server.
- Worked on 1 iOT app, the Guardian the Awareness Plug—an end-to-end home automation system.