Naren Mudivarthy
naren.mudivarthy@gmail.com 408-805-6875
https://www.linkedin.com/in/naren-mudivarthy https://github.com/naren-m/

Experience

Software Engineer III, Cisco Systems Jun 2015 – Present

SPNAC **Technologies** – *Go, InfluxDB, Kapacitor, Docker*

- Closed-loop Network automation using telemetry data from switches.
- A network health monitoring app with auto remediation.

Telemetry **Technologies** – *C, Python.*

- Designed and implemented infra and backend for event/data collection on Nexus devices.

Java Developer, Kavi Associates Jun 2013 – Jun 2015

Locomotive Road Failure Prediction **Technologies** – *Cloudera, SpringMVC, Hibernate, Spark, SAS*

- Implemented data collection and aggregations tools to gather real-time data from various locomotive sensors and streamed them to HDFS.

Pretium **Technologies** - *Java, Python, Scala, Spring MVC, Ajax, Hibernate., HighCharts.*

- Implemented a rule engine to define data preprocessing, cleaning rules.
- Automated data collection, cleaning, integration, ETL and visualizations by auto generating scripts from a predefined set of rules.

Full-Stack Developer, XL Academics **Technologies** - *php, mysql, amcharts* Feb 2012 – May 2013

- Implemented messaging system, financial manager and spend analyzer to allow users to create budget, create savings goals, track expenses and visualizations.

Education

- M.S in Computer Science - **Northern Illinois University** (GPA – 4.0/4.0) May 2013
- Bachelor of Engineering - **JNTU Kakinada**, **India** (GPA – 3.6/4.0) April 2011

Technical Skills

- Languages: C, Go, python, Java, Objective-C, SQL, PHP, JQuery
- Databases: MySQL, PostgreSQL, InfluxDB, Prometheus.
- ML/ DL Frameworks: Tensorflow, tflearn, keras, scikit-learn.
- Key Areas: Data Structures and Algorithms, Linux, Neural Networks, Deep Learning
- Cloud Technologies: Docker, AWS(EC2), Google cloud platform.

Certifications

- Deep Learning Nano Degree Foundation Program
- Cloudera Certified Administrator for Apache Hadoop (CCAH)

Side Projects

- Quantified Self: Collect, Aggregate and Visualize data from fitbit, myfitnesspal, work habbits(selfspy) using influxdb, grafana.
- OpenCV: Face recognition, Emotion recognition, Object tracking, Motion detector.
- Digital augmentation(image overlay) of image/videos on a colored paper, placed in front of a camera.
- Deep learning: Image Classification, Face Generator, Language Translation, TV Script Generation, Image styling
- System-usage-monitor: monitor system usage with InfluxDB, Grafana, Kapacitor, Telegraf.
- Home assistant to automate daily tasks, finance manager and control smart devices (Hue, Wemo).
- Tekken-py: Python playing Tekken 7.