VARUN B PATIL

Software Engineer @ NetApp

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C programmer with 5 years of experience in storage efficiency, file systems and embedded systems programming.

Pythonista and aspiring machine learning engineer.

Experience

2014-07 - present

Software Engineer

NetApp, Bangalore

Responsibilities

- As a RAID engineer, worked on efficient and user friendly storage/disk provisioning and reporting including simulations.
- As a WAFL (NetApp's proprietary file system) engineer, working on storage efficiency technologies like data compression/compaction and deduplication.
- Worked on improving storage efficiency via larger compression groups and integrating advanced compression algorithms.
- Worked on developing a standalone Space Savings Estimation Tool (SSET) which is a Windows and Linux CLI tool than can be run by potential customers to estimate the kind of space savings they can expect if they decide to purchase NetApp data storage systems.

Awards

- Spot award for my work towards automation of unit testing in Data ONTAP using CxxTest and Python.
- "Customer Champion" award for my work on the Space Savings Estimation Tool (SSET).

2012-07 - 2014-07

Software Engineer

Cisco, Bangalore

Responsibilities

- Worked on video codecs (H.264, H.263) for the Cisco TelePresence SX10 product.
- Worked on upgrading the TI-OMAP4 Ducati subsystem firmware.

Open source work

- Contributor to Cisco/Mozilla OpenH264 project.

Education

2012 - 2014

Sri Jayachamarajendra College of Engineering (SJCE), Mysore

- BE in Computer Science.
- 9.9 cumulative GPA (Received "TCS Best Student Award" for highest CGPA in my batch).

Skills

C, Python, GNU/Linux

Machine Learning, Deep Learning

NumPy, TensorFlow, Keras, scikit-learn

Certificates

Machine Learning by Stanford University on Coursera

Neural Networks and Deep Learning by deeplearning.ai on Coursera

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization by deeplearning.ai on Coursera

Structuring Machine Learning Projects by deeplearning.ai on Coursera

Convolutional Neural Networks by deeplearning.ai on Coursera