Dileep Nackathaya

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EDUCATION

- **North Carolina State University**   Raleigh, NC, USA
  Master of Science in Mechanical Engineering; GPA: 3.75/4.00   *Aug 2010 – Dec 2012*
  Specialization: Computational Fluid Dynamics (CFD)

- **Visveswaraya Technological University**   Belgaum, India
  Bachelor of Engineering in Mechanical Engineering; Grade: First Class (74%)   *Sep. 2006 – July. 2010*
  Position in class: 5th in a class of 160

CONTINUOUS LEARNING

- **Statistics, Machine Learning, Data Science**   Udupi, India
  Self-learning (progress documented on LinkedIn and GitHub)   *Jan 2018 - Present*
  - **Statistics and Data Science MicroMasters (offered by MITx on edX)**: Four graduate level credit-eligible courses with challenging assignments and projects in Probability, Statistics, Data Analysis, and Machine Learning along with a final Capstone exam *(Skills: Python, R, PyTorch, NumPy, SciPy, Matplotlib, Scikit-learn)*.
  - **Deep Learning Specialization (offered by deeplearning.ai on Coursera)**: Currently pursuing this program with five courses on fundamental Deep Learning algorithms. *(Skills: Python, Tensorflow)*.
  - **Machine Learning (taught by Prof. Andrew Ng on Coursera)**: An introductory machine learning course with eight programming projects *(Skills: MATLAB/GNU Octave)*.
  - **Other courses**: CS50: Introduction to Computer Science (*C, Python, MySQL, web programming*),

EXPERIENCE

- **John Zink Hamworthy Combustion**   Tulsa, OK, USA
  Computational Fluid Dynamics Engineer, R & D Group   *Jun 2013 - Aug 2017*
  - **Simulation and Analysis**: Blah blah.
  - **Product Development**: Blah blah.
  - **Troubleshooting**: Blah blah.

- **North Carolina State University**   Raleigh, NC, USA
  Graduate Research Assistant, Computational Combustion and Energy Sciences Lab   *Jan 2012 - Jul 2012*
  - **Numerical Simulation and Analysis of Reacting Flows**: Blah.

PROJECTS

- **Blah**: Blah.
- **Blah**: Blah.
- **Blah**: Blah.
- **Blah**: Blah.

TECHNICAL SKILLS

- **Programming and Scripting Languages**: Python, R, MATLAB/GNU Octave, C, Shell, Fortran
- **Operating Systems**: GNU/Linux, Windows
- **Version Control**: GitHub. Have used a bit of SVN in the past.
- **Numerical and Plotting Packages**: NumPy, Pandas, SciPy, Matplotlib, Scikit-learn, PyTorch, Tensorflow
- **Database Languages**: MySQL
- **High Performance Computing**: Used AWS and company/university clusters to do large parallel computations.
- **Markup**: Familiarity with LaTeX, Markdown, and HTML.