

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
Specialization: Computational Fluid Dynamics (CFD)
Aug 2010 – Dec 2012
- **Visveswaraya Technological University** Belgaum, India
Bachelor of Engineering in Mechanical Engineering; Grade: First Class (74%)
Sep. 2006 – July. 2010

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**: The Analytics Edge, Intro to R for Data Science, SQL for Data Science, Using Python for Research, CS50: Intro to Computer Science, Intro to Computation and Programming using Python

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.