Abhijit Suresh

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EDUCATION

- **University of Colorado Boulder** — Boulder, CO
  Triple PhD in Computer Science, Neuroscience and Cognitive science — *Aug. 2016 – Present*
    - Primary research interests are applied machine learning, deep learning and cognitive neuroscience
    - **Project:** Separating cognitive processes from large scale brain changes (with Prof. Mckell Carter)
- **University of Colorado Boulder** — Boulder, CO
  Master of Science in Computer Science; GPA: 3.86 — *Aug. 2015 – May. 2017*
- **Amrita School of Engineering** — Coimbatore India
  Bachelor of Science in Computer Science; GPA: 8.79/10.0 — *July. 2010 – May. 2014*

PROGRAMMING SKILLS

- **Languages**: Python, Javascript, C/C++, SQL, Scheme   **Web**: HTML, CSS, PHP, Bootstrap, Flask
- **Libraries**: numpy, nilearn, scikit-learn, keras, tensorflow   **Services**: REST, Lambda, EC2, IBM Bluemix

EXPERIENCE

- **University of Colorado Boulder** — Boulder, CO
  Graduate Research assistant — *Aug 2017 - Present*
    - **Project:** Using Bi-directional Long short term memory network to classify high leverage talk moves of mathematics teachers' (with Prof. Tamara Sumner)
    - **Tools:** Keras, Tensorflow, PyTorch, Python 2.7, NLTK, scikit-learn, matplotlib, AWS
- **University of Colorado Boulder** — Boulder, CO
  Graduate Teaching assistant (for CSCI 2270: Data structures) — *May 2017 - Aug 2017*
- **Health Data Compass** — Boulder, CO
  Scientific Programmer — *May 2016 - Aug 2016*
    - Architected and implemented Apache cTakes Natural language processing pipeline on Google cloud platform for processing medical transcripts (with Prof. Martha Palmer)
- **Calibermind** — Boulder, CO
  Data scientist intern — *May 2016 - Aug 2016*
    - Creating user personas for B2B sales and marketing
- **University of Colorado Boulder** — Boulder, CO
  Student programmer at social neuroscience and games lab — *Sep 2015 - May 2016*
    - Multivariate data analysis on functional neuro-imaging (fMRI) data
- **Siemens PL** — Chennai, India
  Software Engineer — *May 2014 - Aug 2015*
    - Contributed to the development of a smart domain specific language for model based control systems.
- **Amrita School of Engineering** — Coimbatore, India
  Undergraduate Research Assistant — *July 2010 - May 2014*
    - **Thesis:** Prediction of flight and fight response using artificial neural networks (with Prof. N Radhika)
    - **Project:** Novel classification model for cloud based authentication using keystroke dynamics (with Prof. T Senthil Kumar)
    - **Amrita Multi Dimensional Data Analytic Lab:** Adaptive query suggestions for domain based search (with Prof. Vidhya Balasubramanian)

PROJECTS

- **Google, MIT media lab:** Implemented searching blocks in the blocks editor feature for MIT app inventor
- **Music genre classification:** Predict the genre of a given audio signal using machine learning
- Correlation of propbank labels with prepositional supersenses (with Prof. Martha Palmer)
- Comparative effects of metaphors in learning computer science concepts (with Prof. Ben Shapiro)