

# Anjali Devi Mittu

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## Education and Training

### University of Maryland

College Park, MD

Non-degree Graduate Student

Started September 2018

Classes:

- Empirical Research Methods for Computer Science
- Program Analysis and Understanding

Fall 2018

Spring 2019

Bachelor of Science in Computer Science

Graduation May 2017

Bachelor of Science in Astronomy

Graduation May 2017

- GPA: 3.48/4.00
- Recipient of Maryland Space Grant Scholarship Award September 2016
- Completed the College Park Scholars' Science, Discovery, and the Universe program May 2015
  - ❖ An invitation only living and learning honors program focused on research, giving to the community, and teamwork
  - ❖ President of Alumni Board after completion

### Certifications

- Machine Learning Stanford University
- Structuring Machine Learning Projects, Neural Networks and Deep Learning, Improving Deep Neural Networks deeplearning.ai
- AWS Certified Solutions Architect – Associate Amazon Web Services

## Professional Experience

### Capital One

McLean, VA

Associate Software Engineer

September 2017 to Present

- Developed tool to transpile Ab Initio code into pyspark
- Lead developer on project to land data in AWS. This included creating python scripts, unit and ATDD tests, and a CICD pipeline using Jenkins and internal tools

Technical skills: Python, Spark, Bash, Java, Jenkins, AWS, Git, Bash, Makefile

### NASA Goddard Space Flight Center

Greenbelt, MD

Software Development Intern

September 2015 to May 2016; September 2016 to September 2017

- Sub-contractor from Columbus Technologies and Services (9/15 to 2/16) and ASRC Federal Technical Services (9/16 to 9/17)
- Developed and managed back-end of "NEN Now" project at NASA Goddard using Agile Scrum process
- Incorporates reading and parsing data in real time from a database and web socket, and publishing results on a message bus
- Wrote and presented systems engineering content for the Systems Requirement Review (SRR)

Technical skills: Java, MySQL, JavaScript, Jenkins, Git, Bash, PowerPoint

### Gravitational Astrophysics Laboratory Intern

May 2016 to September 2017

- Create model of the detection efficiency for the Swift Burst Alert Telescope using Random Forest Algorithm
- Conduct a Bayesian study of the GRB rate distribution to obtain estimates of the SFR
- Use analytical and quantitative skills to work on large quantities of data and convert it into understandable statistical results

Technical skills: C, C++, Python, Makefile, Bash, Git

### Electromechanical Systems Branch Intern

June 2014 to August 2014; June 2015 to August 2015

- Researched Magnetic Shape Memory Alloy and designed test structure and procedures for the MSMA actuator
- Visited Capitol Hill with Goddard Director, Chris Scolese, to presented scientific results and communicate the need for science research to Congresswoman Donna Edwards and Congressman Chris Van Hollen
- Reconstructed an existing magnetic bearing system (mechanism, electronics, and controller software) and designed the control system in Matlab Simulink and dSpace ControlDesk

Technical skills: Matlab, Autodesk Inventor, dSpace ControlDesk

### University of Maryland

College Park, MD

Teaching Assistant for Astronomy 101

January 2015 to May 2016

- Lead the weekly lab, graded homework and exams, held weekly office hours, constructed lesson plans and assisted the professor.