Anjali Devi Mittu

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Education

University of Maryland — College Park, MD

Master of Science in Computer Science — Expected Graduation May 2021

- GPA: 3.9/4.00
- Research project on "Perceptions of Algorithms in Applicant Screening"
- Research project on "Natural Language to Python Code Generation"

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

Certifications

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

Professional Experience

Capital One — McLean, VA

Software Engineer — January 2019 to Present

- Contributed to centralized logging application
- Developed back-end service to auto-generate custom Scala Spark executable ETL jobs based on inputted configuration json
- Wrote Scala Spark application to migrate data to AWS S3

Technical skills: Python, Scala, Apache Spark, Bash, Jenkins, AWS, Git

Associate Software Engineer — September 2017 to January 2019

- Developed tool to transpile Ab Initio projects into PySpark code
- Built data processing applications using AWS and Apache Spark to land data in AWS.

Technical skills: Python, Apache Spark, Jenkins, AWS, Git, Makefile

NASA Goddard Space Flight Center — Greenbelt, MD

Software Development Intern — September 2015 to May 2016; September 2016 to September 2017

- Developed 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

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

Gravitational Astrophysics Research Intern — May 2016 to September 2017

- Created model of the detection efficiency for the Swift Burst Alert Telescope using Random Forest Algorithm
- Conducted a Bayesian study of the gamma ray bursts rate distribution to obtain estimates of the star formation rate
- Used analytical and quantitative skills to work on large quantities of data and convert it into understandable statistical results

Technical skills: Python, C, C++, 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

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.