Anjali Devi Mittu

1812 Dellabrooke Farm Lane, Brookeville, MD 20833

301-956-3002 • anjmittu@gmail.com • anjali.mittudev.com

Education

University of Maryland   College Park, MD

Master of Science in Computer Science   Expected Graduation May 2021

- GPA: 3.9/4.00
- Research projects: "Perceptions of Algorithms in Applicant Screening", "Natural Language to Python Code Generation", "Evaluating Metadata-Driven Approaches to Topic Modeling"

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
- Teaching Assistant for Astronomy 101   January 2015 to May 2016

Certifications

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

Professional Experience

Amazon   Seattle, WA (Remote)

Software Engineering Intern   May 2020 to August 2020

- Designed and presented a system for automatically capturing user metrics from internal websites
- Implemented front-end library to automatically capture user metrics and a back-end API in AWS to process the metrics and store them.

Technical skills: Java, Typescript, React, AWS, Git

Capital One   McLean, VA

Software Engineer   January 2019 to May 2020

- Designed the end-to-end process for users to add their own custom schema for logging events to an internal structured logging service. Contributed to Python and Java APIs for the service.
- Developed back-end service to auto-generate custom Scala Spark executable ETL jobs based on inputted configuration json

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

Associate Software Engineer   September 2017 to January 2019

- Developed a 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

- Modeled the detection efficiency for the Swift Burst Alert Telescope using the 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   Summers 2014, 2015

- Researched Magnetic Shape Memory Alloy and designed test structure and procedures for the MSMA actuator