Nahian Afsari

nahianafsari20@gmail.com | 469-685-9287 | Dallas, TX

EDUCATION

UT DALLAS
BS in Computer Science
GPA : 3.9/4.0
Graduation : Dec 2019

SKILLS

PROGRAMMING
Experienced :
Java • C++
Proficient :
C • Python • CSS • MIPS Assembly
Familiar :
JavaScript • R • ASP

OPERATING SYSTEMS
Linux • Mac OS X • Windows

FRAMEWORKS & TOOLS
Spring Boot • REST • MongoDB
Github

COURSEWORK

UNDERGRADUATE
Machine Learning
Artificial Intelligence
Advanced Algorithm Design & Analysis
Database Systems
Operating Systems
C/C++ programming in Linux

LINKS

Github: **github.com/nahianAfsari**
LinkedIn: **linkedin.com/in/nahian-afsari-5492b7123/**
Portfolio : **nahianafsari.github.io**

AWARDS

- 2017,2018 : Dean's List - Consistently performed within the top 10% of all students of the engineering school
- 2016 : Young Masters Competition Winner - Exhibition of Artwork at the Dallas Museum of Art
- 2016 : Recipient of Excellence in Education Math Challenge Scholarship

EXPERIENCE

AMERICAN EXPRESS | Software Engineer Intern
Jun 2019 - Aug 2019 | New York, NY

- Designed and developed a scalable architecture for a voice search assistant from scratch for an internal application
- Worked on NLP aspect of the application for extracting meaning out of user query using Word2Vec model, designed an efficient search algorithm to rank results as well as design a machine learning algorithm for the application to learn over time

STATE FARM | Software Engineer Intern
Jan 2019 - May 2019 | Dallas, TX

- Built a REST API Wrapper around a third party web service using Spring Boot for some card control functions such as changing pin number, activating a card etc. for the State Farm Banking department to improve customer experience for all the mobile banking services provided by State Farm.
- Collaborated with a large team following agile methodology where we did daily stand-ups to keep us on track and focused on accomplishing our tasks for a given sprint

UT DALLAS | Undergrad Researcher in Artificial Intelligence
Aug 2018 – Dec 2018 | Dallas, TX

- Developed a Used Car Recommender System while working under the Department Head of Computer Science, Dr. Gopal Gupta .
- Automated decision making process of buying a used car with ASP. Based on financial literature, defined rules that ensure that a car possesses the qualities that are most desirable for a user given their budget. Reduced a data set of used cars to generate a single answer set of best options for a car.
- Implemented Common Sense Reasoning as our AI technique. Used Answer Set Prolog and Python to build the knowledge base and the program itself.

TECH EDVENTURES | Technology Leader
Jun 2018 - Aug 2018 | Dallas, TX

- Duties include leading a classroom of K-8th graders and guide them into thinking critically about technical projects & build them.
- Projects included making circuits, programming robots etc.

PROJECTS

PERSONAL WEBSITE May 2018 – Aug 2018
Languages/Tools used : HTML, CSS, JavaScript
Developed an interactive website keeping in mind mobile compatibility, browser consistency, & user friendly navigation. Implemented a minimalist UI to bring focus to content rather than design.

ACCIDENTS CLASSIFIER May 2019
Languages/Tools used : R
Used a large dataset of 2 million rows containing road conditions and accident severity to predict accident severity based on road conditions. Cleaned and did feature engineering on the dataset to contain only the pertinent information. Explored different classification algorithms such as kNN, Naive Bayes, Logistic Regression etc. to build a model with high accuracy.