

Nahian Afsari

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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 OSX • 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/](https://www.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 the backend and specifically the NLP aspect of the application for extracting meaning out of user query using Word2Vec model, designed and implemented an efficient search algorithm to rank results in python as well as design and implement an 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.