

Asmi Kafle

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Portfolio Website: <https://asmi-kafle.github.io/MyPortfolio/>

EDUCATION:

Texas A&M University, College Station, Texas

Bachelor in Computer Engineering, Electrical Engineering Track
w/ a Minor in Cyber Security

May, 2020

North Lake College, Irving, Texas

Bachelor in Computer Engineering

Jan, 2016 – May, 2017

Oklahoma State University, Stillwater, Oklahoma

Bachelor in Computer Engineering

August 2015 – December, 2015

RELEVANT

Data Management

Cryptography

Computer Design and Architecture

COURSERWORK:

Operating Systems

Data Structure & Algorithm

Computer Networks & System

SKILLS:

Software Development: C++, C, Embedded C, Python, Scheme, LabVIEW, Verilog, Unix, Git & Bitbucket

Testing: Unit Testing, Frontend Testing, Exceptional Testing

Data Management: SQL, MATLAB and Microsoft Access

Web Development: JavaScript, NodeJS, Angular8, Typescript, HTML5/CSS

Frameworks/Toolkits: Material Design, Bootstrap, jQuery and ROS (Robot Operating System)

Excellent written and verbal communication skills in **English, Nepali, and Hindi**

PROJECTS:

Pepper Robot: Crowd Navigation System

Aug, 2019

- Acquired hands on experience programming the robot to map an area precisely, localize itself, plan the best path from position A to B and traverse the path successfully avoiding obstacles

Robots as model mini cranes, using Embedded C programming

Aug, 2018

- Acquired hands on experience building and programming the robot to function as a crane
- Built another robot from scratch and used embedded C programming language to run it

EXPERIENCE:

Fidelity Investments, Software Engineer Intern

June, 2019 – Aug, 2020

- Designed and implemented an angular frontend for management of user owned RDS instances by fetching and updating data located on AWS API
- Collaborated with cross functional team-members and was responsible for front-end development and integration with webservice designed by team members
- Presented project to senior management team of the Corporate Technology Group

TAMU Academic Success Center, Transfer Student Peer Mentor

Aug, 2018 – May, 2019

- Provided academic support through building rapport and maintained a peer mentor relationship with assigned students
- Informed Program Coordinator and/or Director immediately of students who appear to be exhibiting behaviors that are counterproductive to academic success while maintaining confidentiality and adhering to FERPA policy
- Participated in orientation, campus festivals, and other events organized by the department

Le Sharma, Volunteer

May, 2016 – July, 2016

- Worked closely with the owner and helped manage and functionalize the data records
- Engaged with customers in business development negotiations
- Demonstrated the ability to work creatively under pressure with inter-disciplinary team members towards innovative results within a given time frame

LEADERSHIP:

Agile Project SCRUM Master

Jan, 2020

- Facilitated meetings and documented progress and data and consistently followed up with the team to ensure progress

TAMU Hackathon 2020, Judge

Jan, 2020

- Judged more than 30 software projects built to solve current pressing global issues

Women in Engineering, Ambassador

Jan, 2019 – Present

- Organized and managed recruiting events in different cities around Texas to encourage prospective students to join A&M

- Generated, implemented low cost high impact event ideas aimed at benefiting fellow engineers

Nepalese Student Association, Officer

Mar, 2018 – Mar, 2019

- Pursued sponsorship and organized cultural events through Nepalese Student Association that helped grow the quality of the network of students and Aggie alumni