+1 (347) 818 5881
Portfolio
LinkedIn

ANUSKA PANT

anuska.pant@gmail.com
https://github.com/ANUSKAPANT

EDUCATION

Master of Computer Science
Texas A&M University, College Station, TX, Graduated: May 2024 | GPA: 3.91

SKILLS

Languages: **C++, C#**, JavaScript, Python, **SQL**, HTML/CSS
Frameworks: **ASP.NET Core**, **Angular**, **ReactJS**, Bootstrap, Ruby on Rails
Other: Git, Django, Flask, Firebase, Heroku, Azure

WORK EXPERIENCE

Full Stack Web Developer at Danphe Software Labs, Kathmandu, Nepal
ReactJS, JavaScript, Bootstrap, Ruby on Rails, HTML/CSS September 2020 – June 2022

- Managed the end-to-end development of an **inventory management software**, handling both backend(**40+ APIs**) and frontend(**adding features and enhancing user experience**) to create a robust application.
- Built a comprehensive **HR system** from the ground up, streamlining leave request management and significantly improving operational efficiency.
- Led the creation of the **company's business website** utilizing React, JavaScript, and Bootstrap, which enhanced the company's online presence and client engagement.
- Guided and **mentored a junior developer**, providing insights into project workflows and coding best practices.

Graduate Teaching Assistant at Texas A&M University
HTML/CSS, JavaScript, Java, SQL January 2023 – May 2024

- Conducted bi-weekly lab sessions and tutored undergraduate students in software engineering and web development concepts, including HTML/CSS, JavaScript, Java, SQL, and other relevant technologies.
- Provided hands-on guidance in server-client programming, fostering practical skills in designing, implementing, testing, and debugging web applications.

PROJECTS

Cybersecurity Certificate Tracker | React, Redux, Ruby on Rails, PostgreSQL
Developed a web application as a part of a software engineering group project for our clients. I contributed to the full stack development of the application and took full responsibility in developing the backend infrastructure.

Network Optimization Through Maximum Bandwidth Paths | C++
Implemented algorithms for random graph generation. Dijkstra and Kruskal's algorithm were implemented to find the maximum bandwidth path in the network for a given source and destination nodes.

Unix Based Operating System | C++
Implemented a simple Unix based operating system that can handle paging, threading, file systems and virtual memory management.

Leave Utility Management | JavaScript, React and Redux, Ruby on Rails, Ruby, HTML, CSS, PostgreSQL
Built a human resource application that lets employees request leave in the employee view, helps keep tabs of all the leave requests made by the employees and allows the employer in the admin view to reject or accept those requests.

Realtime Network Intrusion Detection and Network Traffic Visualization | Python, TensorFlow, Scikit Learn, NumPy, Keras, HTML, CSS
Utilized deep neural network model to filter attacks in the packets captured from a network in real time with dataset generated in our test environment. The model on being trained with a standard dataset accurately detected the attacks on our network with 80% accuracy.