ANUSKA PANT   anuska.pant@gmail.com • +1 (347) 818 5881
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Results-driven Full Stack Developer pursuing a Master's in Computer Science with 2 years of experience crafting dynamic web applications. Skilled in both frontend and backend development, actively seeking a full-time software engineering role to provide valuable expertise and help innovate.

EDUCATION

Master of Computer Science
Texas A&M University, College Station, TX
August 2022 - May 2024 | GPA: 4.0
Electronics and Communication Engineering
Tribhuvan University, Nepal

SKILLS

Languages: C++, JavaScript, Python, SQL, HTML/CSS
Frameworks: ReactJS, Bootstrap, Ruby on Rails
Other: Git, Django, Firebase

WORK EXPERIENCE

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

• Instruct students at undergraduate-level computer science courses on facets of HTML/CSS, JavaScript, Java, SQL and other relevant courses and technologies.
• Conduct software engineering lab sessions and tutor students on the foundations of software engineering.
• Record keeping and organization of tutoring environments to promote learning and productivity in the computer lab.

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

• Created a human resource application from scratch to help manage leave requests.
• Developed a business website for the company using React, JavaScript and Bootstrap.
• Added new features to enhance the system design of an inventory management system and added additional features like widgets to enrich user experience.
• Identified page performance issues and optimized existing systems.
• Helped debug and fix design flaws in applications.
• Mentored a junior team member on the workflow of projects and handling coding tasks.

Software Developer Intern at Danphe Software Labs, Kathmandu, Nepal
ReactJS, JavaScript, Bootstrap, Ruby on Rails, HTML/CSS   August 2020 – September 2020

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.