

AMRITPREET SINGH

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Technical Skills

Languages: C#, JavaScript, Python, Java, C, HTML/CSS, SQL, Bash, Batch, TypeScript

Technologies/Frameworks: .NET Core, React, React Native, Redux, SCSS, Linux, Firebase, AWS, Flask, Node

Experience

Element 74

May 2021 – Present

SaaS Application Developer

Cape Girardeau, MO

- Developed a patient management application using React, .NET Core, Firebase and Redux.
- Developed an innovative and responsive e-commerce application using React, Firebase, SCSS and TypeScript.

Southeast Missouri State University

Aug. 2020 – May 2021

Graduate Assistant

Cape Girardeau, MO

- Developed an open source C library for efficient tensor computations, decomposition and storage.
- Developed an automated grading system for student homeworks using Python.
- Developed a user-friendly Conversation Recommendation System (Chatbot) to answer prospective and current students' questions about the program.
- Assisted with teaching Assembly Language, Boolean Algebra and Logic Gates for Computer Architecture.

IPE Global

June 2018 – Aug. 2018

I.T. and E-governance Intern

New Delhi, India

- Developed a project management system for the UP State Government using PHP CodeIgniter and MySQL.
- Gave a presentation to the client (UP State Government) at 18 years old.

Education

Southeast Missouri State University(3.9GPA)

Aug. 2019 – May 2022

Master of Applied Computer Science

Cape Girardeau, MO

Webster University(3.66GPA)

Aug. 2016 – May 2019

Bachelor of Computer Science

St. Louis, MO

Relevant Coursework

- | | | | |
|-------------------|-----------------------|---------------------------|-------------------------|
| • Data Structures | • UI/UX | • Artificial Intelligence | • Operating Systems |
| • Web Development | • Database Management | • Machine Learning | • Computer Architecture |

Projects

StockHaus | React, TypeScript, Firebase, SCSS

May 2021

- Developed a fully responsive e-commerce application using React, TypeScript, Firebase and SCSS.

Algos | .NET Core, React, Firebase

May 2021

- Developed a fully responsive patient management application for clients using React, Redux, .NET Core, Firebase and MSSQL.
- Implemented realtime push notifications for Doctors when patients submit forms using Firebase.
- Used Task Scheduler to send SMS to patients to check up on them periodically and store their pain scores.
- Implemented an interactive conversational system between Patients and the system via SMS using Twilio.

MIS For UPPPTDP | PHP, MySQL

August 2018

- Developed a project management system for the UP state government tourism office to support pro-poor tourism.
- Gave a presentation to the client (UP State Government) at 18 years old.

Leadership / Extracurricular

ACM Chapter SEMO

Aug. 2020 – May 2021

Secretary

Southeast Missouri State University

- Maintained the chapter's primary website.

Webster University Student Government Organization

May. 2018 – December 2018

Treasurer

Webster University Thailand

- Maintained the funds for the Student Government Association.

Rotaract Club of Webster Bangkok

Jan. 2017 – December 2018

Treasurer

Webster University Thailand

- Maintained the funds for the Rotaract Club of Webster Bangkok.