



SOFTWARE DEVELOPER

Full Stack Development | Machine Learning | Web Designer

HIGHLIGHT OF SKILLS

- Proficient in C, C++, Python, Java, HTML, CSS, and JavaScript.
- Experience with Bootstrap framework, Angular, MongoDB, MySQL, Node.js.
- Software Tools: MS Office Suite(Word, Excel, Outlook,Powerpoint), Visual Studio Code, GitHub.
- Skilled with Figma , Canva.
- Strong graphic design skills for creating visually appealing web and digital media products
- Familiarity with Windows operating system for desktop support and troubleshooting.
- Knowledge of neural networks, machine learning, supervised/unsupervised learning.
- Possesses strong interpersonal and communication skills, honed through fast-paced customer service, collaborative project environments and volunteering works.

EDUCATION

Software Engineering Technology - Artificial Intelligence Advanced Diploma(Fast-Track)

Centennial College, Toronto, ON

January 2023 - Present

Bachelor of Technology in Computer Science

SRM Institute of Science and Technology, Chennai, India

June 2018 - May 2022

PROFESSIONAL DEVELOPMENT

- Summer Internship focused on AI by Microsoft and conducted by Code Quest (January 2021)
- Completed Programming, Data structures and Algorithms using Python course by NPTEL (November 2020)
- Machine Learning and IBM Watson workshop (May 2022)
- Application of Vedic Math in the Digital System workshop (August 2021)
- Completed a Vedic Math course (February 2015)
- Completed Cloud Computing and Distributed System by NPTEL (March 2021)

SELECT PROJECTS

BRAIN TUMOR SEGMENTATION USING MODIFIED DOUBLE UNET

- Developed a brain tumor segmentation model using Modified Double U-Net which outperformed standard models by 10% which demonstrates expertise in deep learning and medical imaging.
- Conducted rigorous experimentation with variables, including data splits, ASPP filters, optimizers, and convolutional block and filter sizes, to fine-tune the model for optimal performance.
- Published a **research paper** titled *Brain Tumor Segmentation Using Modified Double U-Net Architecture* contributing to the advancement of medical imaging.

SIGN LANGUAGE DETECTION USING CNN

- Developed a computer vision model utilizing Convolutional Neural Networks to accurately detect American Sign Language (ASL) signs.
- Fine-tuned the model's parameters and hyperparameters to achieve optimal performance.



DYSLEXIA SIMULATOR WEBPAGE

- Designed and developed a user-friendly webpage using web design languages such as javascript,HTML and CSS to create a digital representation of dyslexia to promote awareness and understanding among the general public.

INTERACTIVE VOCABULARY LEARNING WEBSITE

- Designed and developed a user-friendly website featuring the "Flip cards" technique using HTML,CSS and Bootstrap to facilitate easy and efficient learning of new words.
- Implemented interactive digital elements to enhance engagement and ensure clear communication of each word's meaning for an effective digital learning experience.

FIGMA DESIGN : FEEDBACK WEB APPLICATION

- Designed and developed an intuitive and visually appealing feedback form webpage using Figma.
- Strategically leveraged color theory to align with the company's branding and enhanced user engagement.
- Implemented interactive elements and intuitive user interactions within the feedback form design to encourage seamless user experience and increase form submission rates

PHOTOGRAPHY PORTFOLIO

Instagram: @yesterdays_eye

- Curated and managed a photography page on Instagram, showcasing a diverse portfolio of captivating images.
- Utilized composition, lighting, and editing techniques to produce visually engaging content, enhancing visual aesthetics using Adobe Creative Suite (Photoshop, Lightroom) and other media editing softwares(Picsart,snapseed).
- Engaged with followers, fostering an interactive and supportive photography community, and responded to inquiries.
- Collaborated with models and creative campaigns, conveying narratives and emotions through photography.
- Provided volunteer photography services for private clients, capturing impactful images for events, portraits, and lifestyle photography.

VOLUNTEERING EXPERIENCE

School Volunteer, Good Shepherd Public School, Kottayam, India June 2015 - March 2018

- Assisted teachers with Smart Lab technology and helped students improve their understanding of computer science and math concepts.
- Headed school groups, participated in cultural festivals, and have organized various events.

Tutor, Open Door Orphanage and Community Centre, Chennai, India February 2020

- Provided one-on-one tutoring in computer skills and math, helping children residing in an orphanage to build foundational knowledge and develop confidence in their abilities.