

Ishita Saluja

Working Professional

An earnest and self-motivated professional with great enthusiasm to learn and grow every day. I would describe myself as a developer in her learning stage with great skills in C/C++, Data Science, Web Development and Machine Learning.



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WORK EXPERIENCE

Software Engineer

Optum - UnitedHealthGroup

06/2022 - Present

Achievements/Tasks

- Successfully managed both frontend and backend development for a prepaid health claims audit platform, ensuring seamless integration and functionality.
- Expertly utilized TypeScript, React, Node.js, Java, Jenkins, Docker, and Azure Cloud to deliver high-quality software solutions that met client needs.
- Played a pivotal role in two significant initiatives:
Telemetry as a Service (TAAS): Implemented a cost-effective approach, saving the company thousands of dollars, by centralizing telemetry services on Azure Cloud, streamlining log management for various teams. **AI/ML Initiative:** Actively involved in early-stage development, working on language chain models, and contributing to the creation of generative AI models to enhance project capabilities.
- Led a team of three junior developers, providing mentorship and guidance in their day-to-day tasks, and contributing to their professional growth and development.

Software Development Engineer Intern

Optum - UnitedHealthGroup

06/2021 - 08/2021

Achievements/Tasks

- Developed a Snorkel Based Labelling framework.
- Developed an AI based Silence Removal model.

EDUCATION

Bachelor of Technology

Vellore Institution of Technology

07/2018 - 07/2022

9.20CGPA

Study Program

S.D Jain Modern School

04/2016 - 03/2018

92 (XII)

SKILLS

TypeScript

React

NodeJS

Advanced SQL

Azure

C++

Python

JavaScript

Agile

CERTIFICATIONS

Microsoft Azure Administrator(AZ-104)
(04/2023 - Present)

Microsoft Azure Fundamentals(AZ-900)
(02/2023 - Present)

PERSONAL PROJECTS

Enhanced Library Management System
(12/2018 - 02/2019)

- Developed a feature-rich library management system using a tech stack consisting of HTML, CSS, PHP, and NodeJS.
- Demonstrated proficiency in front-end and back-end web development, as well as database management.
- Contributed to database design and ensured efficient data handling.
- Designed an intuitive and visually appealing user interface.
- Played a key role in testing, debugging, and optimizing system functionality. Enhanced the library experience for both librarians and patrons.
- Implemented user authentication, book management, fine calculation, and payment integration modules.
- Contributed significantly to the successful delivery of the project.

Pothole Detection using Machine Learning
(02/2021 - 05/2021)

- Contributed to the development of a cutting-edge Pothole Detection system using Convolutional Neural Networks (CNNs) in Python, achieving an impressive 96% accuracy rate across three diverse classifiers. Key responsibilities included:
 - Model Architecture:** Designed and implemented the CNN architecture, optimizing parameters for accurate pothole detection.
 - Data Preprocessing:** Conducted comprehensive data preprocessing, including augmentation and normalization, to ensure high-quality input data.
 - Classifier Integration:** Successfully integrated three distinct classifiers to enhance detection accuracy and reliability.
 - Performance Optimization:** Managed training and testing processes, iteratively refining the model to achieve the exceptional accuracy rate.

INTERESTS

Event Management

Reading

Trading

Coding

Singing

Swimming

Travelling