Ashnil Vazirani
Software Engineer

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Portfolio

EDUCATION

Master of Engineering, Software Engineering, Rochester Institute of Technology, GPA: 3.83/4.00 **Aug 2020 - Dec 2022**

EXPERIENCE

Amazon   **Boston, United States**
Software Developer Intern   January 2022 – Present
- Working in The Movement Sciences Scheduling (MOSS) to handle the job stack for the Amazon's fulfillment center.

Rochester Institute of Technology - College of Engineering   **Rochester, New York**
Web Developer   August 2021 - Current
- Designing, developing and managing website and web pages for the RIT - College of Engineering using CMS (contenta and drupal).

Rochester Institute of Technology - College of Science   **Rochester, New York**
Software Developer Intern   May 2021 - August 2021
- Developed a vignette studio application that creates an e-learning website for science courses for the RIT - College of Science, using Java technology following agile principles to ensure reusability, scalability and efficiency for source code
- Performed revision or expansion of existing programs to resolve critical bugs, increase efficiency or adapt to new requirements. Increased code efficiency by 50%

Corpusvision Pvt. Ltd   **Mumbai, India**
Back-end Software Developer Intern   March 2020 - July 2020
- Executed model driven approach to create an online shopping application.
- Worked as MVC developer to design a framework in PHP (https://github.com/scrawler-io/scrawler) and using MEAN stack and VueJS to build an online web portal, and add plugins for the software.

PROJECTS

Detecting duplicate Pull requests
- A study based on investigating the nature and consistency of pull requests to identify the duplicate ones based on contextual analysis and change source code comparision.

myPLS (My Personal Learning Space)
- Developed a Web application to transform studies to an online platform using sparkJava, FreeMarker and SQL to be sustainable enough to handle load and allow features like rating, reviewing, chat system etc.

Self Adaptive 2048 (Reinforcement Learning)
- Designed and developed an AI agent to build and understand an environment that is markovian in nature by using principles of reinforcement learning.

Sahaya- A Child Adoption System
- Developed an online web portal for handling adoption and monitoring children using Image Processing on facial features of a child and creating a comparison metric with respect to previous faces.

ATOUR Booking System
- Devloped an online web portal reserve and handle a tour activity using NodeJS, to ease the effort of booking, managing, viewing, paying and cancellation of a tour for the tourist.

SKILLS

Languages	Java, Python, JavaScript, PHP, Go, Shell Scripting, C, C++, Visual Basic (VB.net)
Cloud	Azure, AWS
Databases	SQL, MySQL, Hadoop, Amazon DynamoDB, Mongo, NoSQL, PostgreSQL, Azure Database
Frameworks and Tools	Spring/SpringBoot, Collections, Laravel, Code Igniter, OpenAI, PyTorch, Hibernate, Spark, Django, NodeJS, AngularJS, VueJS, p5JS
Softwares	Github, JIRA, Docker, Postman, Webpack, Apache HTTP Server, Blockchain Technology, Tableau
SE Skills:	Agile software development, communication , code optimization, KT, problem solving, planning, SE Principles, Program Structures and Algorithms, Software Quality Assurance, Big Data Management

CERTIFICATIONS & COMPETITIONS

1. DST & Texas Instruments India Innovation Challenge Design Contest. *IIM Bangalore* (2018).
2. Qualifier in DST & Texas Instruments India Innovation Challenge Design Contest. *IIM Bangalore* (2018).
3. Awarded at National Science Foundation for project at RIT - College of Science. *NSF* (2021).
4. Presented and submitted paper for project Organ Donation. *ICACC RAIT* (2020).