

Vishal S Nadar

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EDUCATION

George Mason University, Fairfax, VA Aug 2021 – May 2023
Master of Science in Computer Science: GPA - 3.7/4

Thakur College of Engineering and Technology, Mumbai, India Aug 2016 – May 2020
Bachelor of Engineering in Computer Engineering: GPA - 7.44/10

PROFESSIONAL EXPERIENCE

George Mason University, Fairfax, VA Jan 2022-May 2023

Web Developer (HTML, CSS, JavaScript, React)

- Updated university's faculty webpage by restructuring student page, lecture page, navigation bars, and background images using **React.JS**. Introduced plugins for live Twitter and LinkedIn feed on the homepage.
- Experience in **DOM**, React Props, Lifecycle methods, working with React States and Events.

Graduate Research Assistant (Python, Excel)

- Researched under Professor Pallab Sanyal to find the reasons for the increase in **cyber-attacks** due to covid-19. Created a Python program to predict the **specificity** of a model using the **liblinearutil** library.

Teaching Assistant (Python, SysML, Data Structures and Algorithm)

- While being a teaching assistant, my main job was to grade assignments. Graded homework assignments for **Object-Oriented Modeling and Design** class weekly and provided helpful comments on graded assignments.

GAMIC SOLUTIONS PRIVATE LIMITED, Remote, India June 2019 – July 2021

Software Development Engineer

- Involved in analysis, design, implementation, and testing phases of the **Software Development Life Cycle (SDLC)** and used **agile** methodology for developing applications.
- Designed and developed the application using Angular 2 framework along with **HTML5, CSS3, JavaScript, Bootstrap, Node.js, and MongoDB**.
- Worked with **JAVA 8 & 11** features like Stream API, Time API, Functional Interfaces Multithreading, Transaction Management, Exception Handling, and Collection API.
- Implemented **Microservices**-based architecture using **Spring Boot** interacting through RESTful API.
- Unit tested web services using **Junit, Mockito Easy mock, Spring Junit Runner, and Test NG** and hence achieved the goals of Test-Driven Development (TDD).
- Implemented the various layers of the application using Spring Framework modules such as **Spring IOC, Spring AOP, Spring MVC and Spring ORM, Spring JPA, and Spring boot**.

SKILLS

Programming Languages: C, C++, Java, Python, HTML, CSS, PHP, R, Perl, JavaScript, TypeScript, Spark.

Web Technologies and Libraries: Node.JS, WordPress, Django, Angular JS, ReactJS, Bootstrap, React, Spring Boot, Pytorch.

Database: MySQL, MongoDB, Oracle, MSSQL Server, MS Access.

Software: Octave, Staruml, Unity, Unreal Engine, Android Studio, Cisco Packet Tracer, Wireshark, Weka, Apache Hadoop, PyCharm, Spyder, JupyterLab, Jupyter Notebook, MySQL workbench, Visual Studio code, Eclipse IDE.

Certifications: Learning Access for Office 365, Excel Essential Training (Microsoft 365).

PROJECTS

Course Survey Form using AWS Aug 2022 – Dec 2022

- Containerized the survey form made by **Angular and Spring Boot** using docker and created an **AWS EC2** instance for it. Used **AWS S3** as a storage service. Used **Rancher** for the creation of **Kubernetes** clusters and deployed it using **EKS**. Established a **CI/CD pipeline** using **Jenkins** for automation and **GIT** as a version control tool.

Fraudulent Job Postings prediction using PySpark Aug 2022 – Dec 2022

- Implemented a PySpark program that predicts suspicious job postings. Learned Undersampling and Oversampling of data and got the best parameters of models using **". bestModel"** function. Accuracy of **96 percent** was received.

Student and College Webpage Jan 2022 – May 2022

- Created the webpage using **HTML, CSS, JavaScript, Ajax, JQuery, JSON, Bootsrap, NodeJs and Angular** for the front end. Implemented Backend using **Spring Boot, MySql Workbench, JDK and Spring Data JPA**.