

# Deep Vora

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## Education

George Mason University, Fairfax, Virginia

*August 2022 - Present*

### M.S. in C.S.

- On Schedule to complete master's course with a concentration in Software Engineering.

## Programming Languages

C++, Java, Python, SQL, JavaScript, C#, HTML & CSS, JSON, C.

## Libraries, Tools & Frameworks

Linux, Spring Boot, Gradle, Maven, GIT, JUnit, Docker, Spring MVC, Spring Data, Spring Security, Postman, Hibernate, GCP, Oracle SQL Server, AWS Services, TensorFlow, Linux, WordPress, Angular JS, OWASP, React JS, Data Mining, SCiKit Learn, ETL, UI Design, Pyspark, Hadoop, Web Services.

## Job Experience

Bitwise Private Solutions Limited - *Programmer*

*February 2021- August 2022*

- Developed JSON-based API applications using Java, Spring Boot, JPA, and Hibernate.
- Handled sensitive credit card data across services and third-party vendors.
- Liaised with product architects to identify minimum viable product requirements and clearly defined features developing usable UI for Users.
- Managed service calls on the Kubernetes cluster on GCP.

## Publications

- "Self-Driving Car Simulator" using Reinforcement Learning and Neural Networks in International Journal of Advance and Innovative Research (ISSN 2394-7780)  
*March 2022*
- Proposal paper on Digital Soil Fertility Analyzer in Chhatrapati Vishwakarma Awards  
*September 2018*

## Certifications

- Microsoft Technology Associate for Security Fundamentals
- Microsoft Technology Associate for Software Development Fundamentals
- Basics of Programming in Python from FOSSEE
- Testing and Debugging in Python
- Regression with Automatic Differentiation
- Linear Regression with Python
- Basic Image Classification with TensorFlow
- Logistic Regression with Python and NumPy
- Docker Beginner Hands-On.
- Git Essentials and GitHub Ninja
- Application developer / UT Frameworks- JUnit, Mockito level 1.
- Learning Spring Boot.

## Projects

- **Employee Car Management Website**

This is a Spring Boot web application.

It manages the assignments of company cars to employees.

It uses an in-memory database for data storage.

It incorporates security features, which may include user authentication and authorization.

- **Monopoly Game**

This is a web-based application.

It allows four players to play the Monopoly board game.

It has security features like password hashing, SSL (secure communication), session management, and protection against common web attacks like XSS (cross-site scripting) and CORS (cross-origin resource sharing).

- **Donation Solicitation in Data Mining**

This is a data mining project implemented in Python.

It involves the use of multiple data mining algorithms.

The project is divided into two parts: selecting donors and predicting their donation amounts.

The goal is to create a predictive model with low bias and low variance.

- **Loyalty First Mobile Application**

This is an Android application built using Android Studio.

It implements a customer rewards program for a retail store.

It emphasizes efficient database management and design using MySQL as the database system

- **Online Book Retail Store**

This is an Angular application for a retail [bookstore](#).

Users can request books and manage their profiles.

The project places a significant focus on Human-Computer Interaction (HCI) and User Interface (UI) design.

## Volunteering

National Service Scheme India - Group Leader  
2019

*August 2017- May*

## Online Profiles

[LinkedIn](#)

[HackerRank](#)

[Wordpress](#)

[Github](#)

[Portfolio](#)