

# V D V Bharadwaj Vishnubhotla

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## EDUCATION

### State University of New York at Buffalo

*Master of Science in Computer Science*

GPA: 3.45/4.0

Aug. 2022 – Dec. 2023

### Shanmugha Arts Science Technology and Research Academy

*Bachelor of Technology in Computer Science*

GPA: 8.1/10.0

Aug. 2018 – May 2022

## TECHNICAL SKILLS

**Languages & Frameworks:** Java, C/C++, Python, Go, JavaScript, ReactJS, ExpressJS, NextJS, Flutter, Flask

**Databases & ORMs:** MySQL, PostgreSQL, MongoDB, Django, Spring JPA, Hibernate

**Others:** Data Structures, Algorithms, Design Patterns, Object Oriented Programming, Web services, Microservices, Rest APIs, Maven, Git, Docker, AWS(ECS, EC2, GW, Lambda, SQS, Route 53, S3, CloudFront, RDS, ElastiCache)

## EXPERIENCE

### Software Engineer Intern - DomumGym

May 2023 – Aug 2023

- Assigned with the crucial task of migrating the company's database from Firebase to a scalable MySQL system on AWS cloud, a move critical for accommodating the company's remarkable growth.
- Led the initiative to establish an Express.js/Next.js backend with MySQL database integration, a pivotal step in developing RESTful APIs using the MERN stack.
- Efficiently restructured API endpoints for an existing system, optimizing them for improved performance. Managed the new endpoints in a structured table, ensuring swift retrieval and enhanced modularization.

### Software Engineer Intern - BNP Paribas

Feb 2022 – July 2022

- Worked with team NCS, providing solutions to finance firms in the EU share market. Collaborated on intricate SQL queries for precise reporting, reconciliations, and asset management on MainFrame Database. Enhanced database performance, boosting efficiency by 80%.
- Handled 50+ 2STrack's issues as the sole point of contact, ensuring smooth operations by promptly addressing challenges, implementing updates, optimizing performance, and ensuring data integrity. Analyzed the European share market for crucial decision-making insights. Produced reports for productive scrum meetings, enhancing teamwork, operational efficiency, and decision quality.

### Data Science Intern - AiVariant

Sep. 2021 – Dec. 2021

- Employed machine learning for predicting trends, enhancing data-driven decisions and planning. Scrubbed data meticulously to unveil valuable patterns. Employed Tableau for interactive dashboards, aiding trend anticipation. Thorough data prep ensured accuracy, while Tableau improved stakeholder understanding and results.
- Developed presentations and reports to foster collaboration, ensuring lucid communication. Compiled pertinent data for visually enriched materials. Streamlined intricate data through structured narratives, promoting transparency.

## PROJECTS

### Social Media Web Application | *Spring Boot, Hibernate, Docker, Postman*

- Designed and developed SocialConnect, a Spring Boot-based REST API web app mirroring Facebook features. Enabled user registration, friend management, and intuitive friend request handling. Leveraged Docker and Maven for deployment and Postman for rigorous API testing.

### User Management System Development | *Mongo DB, Express Js, React Js, Node Js*

- Built a user management system using the MERN stack, featuring React for intuitive UI. Implemented secure authentication and authorization via JWT. Utilized MongoDB for organized data storage and Express.js/Node.js for seamless backend communication. Demonstrated expertise in full-stack development, database management, and security measures.

### Movie Application | *React, Bootstrap, OMDB API*

- Utilized the OMDB API to implement real-time movie searches with "Netflix style" horizontal scrolling effect. Utilized Postman for efficient API interaction. Implemented dynamic movie favoriting and local storage integration for persistent favorites across app sessions. Gained hands-on experience in API integration, State Management, component creation, and efficient rendering of dynamic lists.

### Full Stack Instagram Clone | *Flutter, Firebase*

- Designed and developed a dynamic Instagram clone using Flutter and Firebase, showcasing strong proficiency in State Management, Firestore, Firebase Authentication, and Storage integration. Created a responsive user interface, highlighting adaptability across various devices. Gained practical experience in building end-to-end applications while mastering key Firebase functionalities.