# Varun Gole

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# EDUCATION

### University of Maryland, College Park

Master of Engineering in Software Engineering

#### Savitribai Phule Pune University

Bachelor of Engineering in Computer Engineering, GPA 3.4/4.0

# SKILLS

• **Programming**: Java, JavaScript, Python, C++, TypeScript

• Utilities and Libraries: ReactJS, GraphQL, HyGraph, MongoDB, Git, Github, Postman, TailwindCSS, RestAPI

• Frameworks: NodeJS, ExpressJS, NextJS, AngularJS, Selenium

# **PROFESSIONAL EXPERIENCE**

#### **Quorum Software**

Software Engineer

- Streamlined customer requirements gathering process and executed **5+ new modules** using Java, JavaScript and **ReactJS** in DaWinci, driving a **30% boost** in user engagement and a **15% increase** in revenue growth.
- Executed implementation and delivery of customer requirements using **ExpressJS** for Chevron and ExxonMobil, leveraging Scrum methodology; successfully completed **4+ customer projects** within **3 months**, aligning project goals with customer expectations and boosting customer satisfaction by **18%**.

# TietoEVRY

Software Engineer

- Accomplished **50+ customer requirements** integration into production using Java ensuring robust functionality and reliability for critical customer requirements in DaWinci, a SaaS platform used by over 50+ oil-and-gas companies
- Achieved an 80% reduction in production bugs and a 57% increase in pre-production bug detection by implementing Selenium framework, demonstrating a significant enhancement in product quality and reliability

#### Learnovate E-commerce

Web Development Intern

• Developed the robust backend infrastructure for a dynamic website with over 10,000 users, leveraging the Express.js framework and MongoDB database. The website was expected to be highly performant and scalable, so I implemented GraphQL queries, vertically scaling and improving performance by 44% and reducing response time from 98 milliseconds to 64 milliseconds.

# PROJECTS

#### Human Animal Conflicts in the State of Maharashtra

Paper accepted by International Journal for Research Applied Science and Engineering Technology

• Implemented **Clustering algorithm** to cluster data into homogenous sets to distribute data systematically and used Apriori Algorithm to find out species of animals frequently involved in conflicts involving human loss with an accuracy of **93%**.

#### Leetcode Problem Generator

• Designed and implemented a full-stack web application using the **MERN stack**, writing the backend code using **ExpressJS** and storing data in **MongoDB** and writing the frontend using **ReactJS** enabling users to generate random Leetcode problems based on difficulty and problem type.

#### **Education Blog App**

- Executed an Educational Blogs Application, providing a user-friendly platform for educators and learners to access and share educational resources efficiently.
- Developed a smooth and responsive experience, thanks to Next.JS, GraphQL, TailwindCSS and Hygraph, ensuring data security and scalability for future growth.

# PUBLICATION

• Successfully published a paper based on our research project published in IJRASET, June 2021, Volume 9, Issue 6

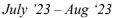
Pune, India

Pune, India

Jun '21 – Jan '22

Jun '21 – July '21

Jun '20 – May '21



Aug '23 – Sept '23

Aug '23 – Present

Jul '17 – May '21

Pune, India Jan '22 – Jun '23