

Varun Gole

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EDUCATION

University of Maryland, College Park

Aug '23 – Present

Master of Engineering in Software Engineering

Savitribai Phule Pune University

Jul '17 – May '21

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

Pune, India

Software Engineer

Jan '22 – Jun '23

- 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

Pune, India

Software Engineer

Jun '21 – Jan '22

- 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

Pune, India

Web Development Intern

Jun '21 – July '21

- 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

Jun '20 – May '21

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

July '23 – Aug '23

- 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

Aug '23 – Sept '23

- 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