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

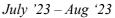
Pune, India

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