Varun Gole

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EDUCATION

University of Maryland, College Park   *Present*

Master of Engineering in Software Engineering

Savitribai Phule Pune University   *May '21*

Bachelor of Engineering in Computer Engineering, GPA 8.02/10

SKILLS

· **Programming**: Java, Python, SQL, JavaScript , C++
· **Utilities and Libraries**: ReactJS , ExpressJS , NodeJS , MongoDB , Keras , Tensorflow

EXPERIENCE

TietoEVRY   Pune, India

Software Engineer   *Jun '21 – Jan '22*

Backend 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 worldwide for personnel management and cargo logistics.
· Achieved an **80% reduction** in production bugs and a **57% increase** in pre-production bug detection by implementing the designed Selenium framework, demonstrating a significant enhancement in product quality and reliability

Quorum Software   Pune, India

Software Engineer

Backend Engineer

· Designed and executed **5+ new modules** as per customer requirements using Java and JavaScript in DaWinci, a SaaS platform.
· Executed customer requirements implementation and delivery, including active participation in customer meetings with **Chevron and Exxonmobil**, using Scrum methodology as shown by successful completion of **4+ customer projects** within the **3 months** and aligning project goals with customer expectations.

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 the Clustering Algorithm to cluster data into homogenous sets to distribute data systematically and Apriori Algorithm to find out species of animals frequently involved in conflicts in human loss with an accuracy of **93%**
· Devised linear and non-linear graphic growth of human-animal conflict cases and losses using the Linear Regression Model.
· Developed a website containing all the relative data & plotted the conflict data on Google Maps to depict output data.
· The state government uses the valuable output to pinpoint conflict areas to improve security and reduce losses.

Leetcode Problem Generator   *Aug '23 - Sept '23*

· Designed and implemented a full-stack web application using the **MERN stack**, integrating MongoDB for data storage, Express for API development, and React for the frontend, enabling users to generate random coding problems based on difficulty and problem type.

PUBLICATION

International Journal for Research in Applied Science and Engineering Technologies   *Jun '21*

· Successfully published a paper based on our research project published in **IJRASET**, June 2021, Volume 9 and issue *6*