Revalla Tarun

Hyderabad, India • +91-9347675734 • tarunrevalla@gmail.com • in/tarun

Education

National Institute of Technology, Meghalaya	2019 - 2023
Bachelor of Technology in Computer Science (GPA: 8.43 / 10.00)	*Shllong, Meghalaya*
Prathibha Junior College	2017 - 2019
Intermediate - General Sciences (GPA: 9.79 / 10.00)	*Rajahmundry, Andhra Pradesh*

Experience

Napier Health Care — Aug 2023 – Present
Associate Software Engineer — *Hyderabad, Telangana*
- Boosted application performance by **40%** across **140+** business transactions through the implementation of caching mechanisms, query optimization, and elimination of redundant API calls.
- Upgraded **over 500** test cases from JUnit 4 to JUnit 5, ensuring enhanced testing capabilities and more robust code quality
- Reduced SCA (Software Component Analysis) issues from **24** to **4** within a month, significantly enhancing code security and compliance
- Addressed and resolved over **100+** defects and issues across both frontend and backend components, significantly enhancing overall application stability and user satisfaction.

Solar Secure Solutions — Jul 2022 – Aug 2022
Full Stack Developer Intern — *Shillong, Meghalaya*
- Designed and implemented **10+** responsive webpages, resolved **30+** user-reported issues, managed **50+** Git commits.

Technical Skills

Languages: Python, Java, javaScript, SQL
Frameworks: Angular JS, React, JUnit, spring, spring Boot
Developer Tools: Git, Docker, Maven, jenkins

Projects

Fibrelust | *Node.js, HTML, CSS, JavaScript, AWS* — December 2022
- Engineered and launched a fully automated commercial website, significantly reducing operational costs by 40%.
- Improved user engagement by 25% within the first quarter through enhanced website functionality and minimal maintenance requirements.

Full Body Tracking | *OpenCV, Python, MediaPipe* — June 2022
- Developed a real-time tracking system for comprehensive body movements, including facial expressions, hand movements, and body posture, capable of processing 60 frames per second.
- Utilized webcam video capture and advanced algorithms to achieve 95% accuracy in analyzing physical activities.

AI Virtual Painter | *MediaPipe, OpenCV, Python, NumPy* — March 2021
- Developed an innovative virtual canvas using state-of-the-art hand tracking technology and complex mathematical algorithms, increasing user adoption rate by 50%.
- Reduced error rate by 15%, significantly improving overall user experience.

Achievements

- Conducted a hands-on session on OpenCV for over 50 participants during a SERB-sponsored National High-End Workshop on "Cultural Preservation using Machine Learning" in 2023.

Social Engagements

Placement Co-ordinator : Center for Career Development, NIT Meghalaya.
Event Management Head : Coding Club, NIT Meghalaya.
Event Head : Shishir (Cultural-fest) Panache'22.
Member : Computer Vision and Machine Learning Research group, NIT Meghalaya.