

HARSHA R PATIL

[LinkedIn](#) | [9632572086](#) | harshapatil.hp01@gmail.com | [GitHub](#)



Skills

- Python | JavaScript | C | MSSQL | Express | React | MongoDB | Git | Image processing and Computer Vision | Java
- Cloud Computing | Socket Programming | DaVinci Resolve 18 | Docker | Full-Stack
- English, Hindi, Kannada, Telugu

Experience

Software Testing Intern	<u>Alpha Tech</u>	<i>Bangalore, India</i>	09/2021
<ul style="list-style-type: none">• Manual and Automation Testing			

Projects

- **REMOVAL OF FOG FROM VIDEOS:** The purpose of the video defogging system is to provide clear video footage for individuals or organizations. The implementation uses technology like SSIM, working with color space, subsampling of frames in videos and image enhancement. (02/2023 - Current)
- **GAME REVIEW APPLICATION:** The project was developed and executed based on the MERN Stack. Additionally, we integrated a Google sign-in feature into the application, allowing users to sign in using their Google account. Finally, the reviews for the game were stored in a MongoDB database for every specific user. [Github](#) (06/2022 - 07/2022)
- **IMPLEMENTING RAFT LOGIC IN GO:** Proficient in implementing distributed systems using Raft consensus algorithm. Experience in implementing the following functionalities in Raft. BecomeFollower function, Handling of RequestVote function received from a candidate by a follower node, Handling of reply to RequestVote sent out by a candidate to its peers, Leader's logic to commit its log successfully in the event of majority confirmation, or fail in case majority confirmation is not received. [Github](#) (04/2023)
- **VIDEO GAMES SALES ANALYSIS:** Conducted an exploratory data analysis of a dataset of video game sales data to identify the region-specific impact of genre on video games sales and the impact of exclusivity on gaming platform sales. [Github](#) (09/2022 - 12/2023)

Education

Bachelor of Technology	<u>PES University</u>	<i>Bangalore, India</i>	12/2021 - Current
<ul style="list-style-type: none">• Major in Computer Engineering - CGPA 8.28			
Diploma in Computer Science	<u>PES Polytechnic</u>	<i>Bangalore, India</i>	06/2018 - 12/2021
<ul style="list-style-type: none">• Major in Computer Engineering - Percentage 80			
SSLC	<u>Shantiniketan High School</u>	<i>Bangalore, India</i>	04/2017
<ul style="list-style-type: none">• Percentage 80			

Certification

- **Programming in C** - NIIT Academy (03/2013)
- **Manual and Automation Testing** - Alpha Tech Academy (09/2021)
- **Introduction to Programming using Java** - Microsoft Technology Associate (09/2021)
- **AWS Educate Introduction to Cloud 101** - Amazon Web Services Training and Certification (03/2023) [BADGE](#)
- **LFD103: A Beginner's Guide to Linux Kernel Development** - The Linux Foundation (04/2022) [BADGE](#)

Others

- **National Cadet Corps(NCC): 'A' Certificate and Attended one State Level Camp** (01/2015)
- **Karate: District level Champion** (01/2015)
- **MRD SCHOLARSHIP** - Given to top 20% [PES UNIVERSITY] (08/2022)
- **Python** - Hackerrank 5 star
- **Java** - Hackerrank 4 star