



KHURUSH KHUSHROV BENGALI

Software Developer

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India

PROFILE INFO

- As a highly motivated software developer, I bring a wealth of **expertise in frontend development, software testing, and computer graphics** to the table. My proficiency spans across a diverse set of programming languages and tools, including **C++, Python, HTML, CSS, JavaScript, Selenium and React**, as well as proficiency in **Blender3D and MySQL**.
- My experience encompasses both **manual and automation testing**, ensuring software reliability and performance. I excel in crafting responsive web applications and optimizing user interfaces for the best user experience. Additionally, I possess a strong aptitude for **building intricate 3D computer graphics**. My communication skills are excellent, complemented by my excellent analytical and problemsolving abilities, which I leverage to deliver outstanding results in every project I undertake.

SKILLS

3D Modeling & Game Development:

- Blender3D • Unreal Engine

Frontend Development:

- HTML • CSS • JavaScript • React

Programming Languages:

- C++ • Java • Python

Software Testing / Quality Assurance:

- Selenium • Maven • TestNG

Methodologies:

- Agile/Scrum

Version Control & Cloud Computing:

- Git • AWS

Databases:

- MySQL • MongoDB

Data Analysis & AI:

- Tableau • AI & ML

PROJECT LINKS

- [3D Navigation System using Cooperative Stereo Matching and Occlusion Detection](#)
- [Find Your Read \(FYR\)](#)
- [Super Sales @ The Supermarket](#)
- [Customized Wallpaper Management](#)
- [CPU Monitoring](#)

EXPERIENCE

2023

Associate Software Engineer

Xoriant Solution Pvt. Ltd., Pune, India

- Specialized in both manual and automation testing of frontend applications, guaranteeing optimal functionality, usability, and cross-platform compatibility.
- Conducted comprehensive end-to-end testing of React, HTML, CSS, and JavaScript components to deliver flawless user experiences.
- Authored and deployed numerous automated test scripts via Selenium, Maven, and TestNG, markedly decreasing manual testing efforts.
- Partnered with developers to pinpoint defects, recommend enhancements, and validate compliance with all functional and non-functional specifications.

EDUCATION

2024

Masters in Computing

National University of Singapore, Singapore

- Specialized in Computer Science with key coursework in Information Visualization, Cloud Computing, and Database Applications Design.
- Advanced studies in Computer Architecture, Knowledge Discovery, Data Mining, and Big-Data Analytics Technology.
- Focused on Computer System Performance Analysis and Automated Software Validation.

2021

Bachelors in Computer Science Engineering, Pune, India

P.E.S. Modern College of Engineering, Pune, India

- Specialized in High Performance Computing, Data Mining and Warehousing, and Web Technology.
- Proficient in Design and Analysis of Algorithms, Computer Networks, and Artificial Intelligence.
- Focused on Robotics, Software Testing, Quality Assurance, and Database Management Systems.
- Developed expertise in Computer Graphics and related technologies.

EXTRA-CIRRICULAR ACTIVITIES

3D Navigation System using Cooperative Stereo Matching and Occlusion Detection

- Developed an innovative 3D navigation system that can be used for real-time spatial awareness in gaming and simulation environments. The system utilizes multi-layered geographic visualization and interactive 3D mapping to improve navigation and terrain exploration.
- Implemented occlusion management techniques, including transparency adjustment, ghosted view, and flattening view, to dynamically reveal obstructed paths and optimize user experience. Designed and applied Cooperative Stereo Matching and Occlusion Detection algorithms to enhance depth perception and object handling in 3D space. Built detailed city-scale models with simplistic textures and environmental elements to ensure accurate navigation.

Find Your Read (FYR)

- Designed a website using Cloud Computing by taking data from National Library and having an interactive website to find the next book to read.

Super Sales @ The Supermarket

- Conducted a comprehensive Market Basket Analysis (MBA) on Instacart's supermarket transaction dataset to uncover purchasing patterns and enhance sales strategies. Utilized Exploratory Data Analysis (EDA) to identify key trends, followed by the application of the Apriori algorithm to discover product associations for optimized product placement and bundling.
- Implemented clustering techniques to segment customers based on purchasing behavior, informing targeted marketing and loyalty programs. Developed a recommender model to personalize product recommendations, boosting customer engagement and sales. Evaluated models based on the quality of recommendations to ensure data-driven decision-making in supermarket retail strategies.

Customised Wallpaper Management System for Linux

- Designed an application for Linux aimed for user to create static/dynamic wallpaper with widgets.

CPU Monitoring

- Designed a number of programmes testing out the CPU performance and having them monitored. Also running said programmes performance with GPU and comparing performance.

Web Master

- ACM Student Chapter (2018-2021), Pune, India
- Invicta (2021), Pune, India

Technical Head

- Codefiesta (2020), Pune, India