

AKSHAY BAIPLAWAT

CREATIVE AND RESULT ORIENTED ENGINEER WITH A PASSION FOR PROBLEM SOLVING

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Education

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD , India

2019 - 2023

BACHELOR OF TECHNOLOGY | CPI: 7.02 / 10

Skills

Technical : C++ | Core Java | JavaScript | Problem Solving | Data Structures & Algorithms | OOP | DBMS | SQL
| Git & GitHub | React

Work Experience

ZOHO Corporation | Software Developer

Aug' 23 - Present

- Working in development and maintenance of the Windows Agent in "ZOHO Assist" that is **remote access** software, achieving **100% compatibility** across all Windows OS versions.
- **Redesigned session initialization flow**, reducing initialization **time by 30%** and executable **size by 15%** affecting **10 Lakh** daily **session**.
- **Developed a session audit feature**, providing detailed reports for remote support sessions, enhancing customer **safety by 35%**.
- **Resolved a critical bug** affecting industry-wide products, making our software the first to operate without this issue.
- **Collaborated with cross-functional teams**, resolving integration issues and helping them successfully integrate Zoho Assist into their products.
- **Analyzed logs and specifications** to assist customer support, improving issue resolution times **by 40%**.
- **Integrated third-party libraries** (POCO, rapidJSON), developing wrappers for seamless incorporation, optimizing performance **by 15%**.
- **Applied coding best practices**, ensuring scalable and maintainable software development.

Projects

Employee Management Console Application

- Developed a comprehensive console-based application for efficient employee data management and retrieval
- Integrated advanced search capabilities with filters and optimized data sourcing through text files.
- Technologies : **C++, OOP Concepts, Windows C++, CMake, Data Structures, and Algorithms.**

Movie List

- Developed a captivating **movie listing** website with seamless **search** functionality and **detailed information** on **movies and web series**.
- Integrated with the **OMDB API** for data retrieval.
- Technologies: **React, React Router, Material UI, JavaScript, HTML, CSS.**

Learn ALGO

- Created an immersive web application for **visualizing** and **learning algorithms**.
- Implemented various **algorithms** : Dijkstra, A* , Linear search, Binary search , Quick sort, Merge sort, Insertion sort, Bubble sort, Selection sort ,Maze Generation.
- Technologies : **React, p5.js, JavaScript, Data Structures, Algorithms .**

Duck-Hunt

- Designed a single-player arcade shooting game inspired by the classic 80s duck hunt game.
- Implemented interactive UI and 2D graphics with varying levels of health, speed, and randomness for ducks.
- Technologies :**core Java,ACM graphics, game mechanism,multi-threading.**

Positions of Responsibility

- **NIT Allahabad Green Club : Club Coordinator and Team Leader;** spearheaded environmental campaigns and led multimedia initiatives for awareness.
- **NIT Allahabad Student Mentorship Program : Guided** and supported junior students through mentorship initiatives.