

# Pakshal Mahavir Ranawat

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## Education

### University of Texas at Arlington

Arlington, Texas

Master of Science in Computer Science, GPA: 4.0/40

08/2023 - Present

**Coursework:** Analysis of Algorithms, Computer Networks, Software Engineering, Cloud Computing and Big Data.

### University of Mumbai

Mumbai, India

Bachelor of Engineering in Computer Engineering, GPA: 9.78/10.0

08/2018 – 05/2022

**Coursework:** Data Structures, Operating Systems, Database System, Data Mining, Java, Python.



## Skills

**Languages :** C, C++, C#, Python, Java, JavaScript, TypeScript, MySQL.

**Frameworks :** Node, React, React Native, Bootstrap, Flutter, Selenium, Power Apps, Power Automate, MongoDB

**Developer Tools :** Android Studio, GitHub, Unity, Xampp, Linux, Figma, Visual Studio Code, Postman, Canva, Jira



## Experience

### Link Group

Mumbai, India

Technical Tester

07/2022 – 07/2023

- Created automated test suites for unit testing using JUnit, Java, and Selenium, decreasing manual effort in bug detection by 50%.
- Strategized Jenkins for CI/CD automation, streamlining the testing process and generating weekly reports.
- Created an employee Time Portal using Power Apps, Power Automate improving time tracking efficiency by 30%.

### Shantighar Social Service Society

Mumbai, India

Web Development Intern

10/2021 – 12/2021

- Designed a web application using HTML, CSS and JavaScript for battered women and children in crisis.
- Utilized best practices to ensure cross-browser compatibility and performance, improving responsiveness.

### YWCA of Bombay

Mumbai, India

App Development Intern

11/2020 – 10/2021

- Developed a mobile application using Flutter and Dart Framework. Used Firebase to manage user inputted data.
- Enhanced user experience by 40% and Optimized API performance by 30% compared to the previous app.

### DBIT Placement Cell

Mumbai, India

Web Development Intern

03/2021 – 05/2021

- Developed a responsive website using HTML, CSS, and JavaScript, improving page speed by 80%.
- Executed SEO strategies to boost website visibility and Google search rankings.



## Projects

### Event Hunt

08/2024 – 10/2024

- Developed a React-based event booking platform using MongoDB, Express.js and Node.js improving event registration efficiency by 25%.

### Study Nest

08/2024 – 11/2024

- Built a React Native app using TypeScript integrated with Firebase, optimizing study group formation and management, improving academic performance and peer-network building.

### ASTA

08/2021 – 04/2022

- Engineered a pipeline model that summarizes a pdf into Devnagari Text and converts it into an audio file.
- Implemented it using NLP for text translation and RNN model for text-to-audio translation.

### Holesync and Shooty Balls

11/2019 – 04/2020 | 11/2020 – 04/2021

- Collaborated with a team of two to develop two Android games using Unity3D Game Engine, launching them on the Google Play Store, which engaged more than 400 users.

### Job Board Platform

08/2020 – 11/2020

- Created a job board platform using PHP, HTML, CSS, and MariaDB, where companies post jobs and applicants submit resumes, including user authentication and resume file upload functionality.



## Achievements and Certifications

Scrum Master Certificate

Best UI Design – HACKUTA 2023 (Hackathon)

Best Concept Game (Holesync) – TEKNACK 2019–2020

Technical Excellence Student for Academic Year (2018–2022)

Meta Front-End Developer