PALLAVI DEOGADE

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EDUCATION

Master of Science in Information Systems   **GPA: 4.0/4.0**
Northeastern University, Seattle, US   **Sept 2022 – Expected 2024**
Courses: Application Engineering & Development in Java, Web Design & UI/UX, Program Structures and Algorithm, Web Development Tools and Methods (MERN stack), Database Management and Database Design, Software Quality Control

Bachelor of Engineering in Information Technology
Yeshwantrao Chavan College of Engineering, Nagpur, India   **Aug 2015 – May 2018**
Courses: Computer Networks, Database Management Systems, Distributed Systems, Object Oriented Programming, Operating Systems, Software Engineering

TECHNICAL KNOWLEDGE

- **Languages**: Java, JavaScript, TypeScript
- **Web Technologies**: HTML5, CSS3, React, Redux, Webflow, Figma
- **Testing Technologies**: Learning Management System, Web Engage, Firebase, Selenium

PROFESSIONAL EXPERIENCE

Testbook Edu Solutions, Mumbai, India   **June 2020 – May 2022**
Software Engineer
Technologies: Java, React, TypeScript, Firebase
- Applied **CI/CD practices** to streamline the deployment process, reducing time-to-market by 30% and facilitating continuous integration and delivery of new features
- Constructed and implemented a set of reusable **React** components using **TypeScript** and **CSS**, resulting in 40% improvement in website load time and enhanced user experience across all devices
- Improved existing code, solving minor and major bugs in transaction APIs, reducing the bugs by 20% in the API.
- Executed unit tests using **Junit** for testing which increased the overall test coverage of the product above 90%
- Collaborated with product managers to find requirements, completing 80% of those tasks within the sprint, and performing **QA checks** on the features, which accounted for 90% of the **SDLC** in **agile methodology**

All India Reporter, Pvt. Ltd, Nagpur, India   **July 2017 – Oct 2017**
Software Developer Intern
Technologies: Java, JavaScript, Ionic, JAX-RS, React, Selenium
- Developed a smartphone application, AIR-CRM, achieving an 80% increase in efficiency using **JavaScript**, **Ionic framework** for the front-end, **Jersey RESTful (JAX-RS)** for APIs, **Java** for the back-end, and **MySQL for storage**
- Designed and shaped Web APIs using **REST architecture**, enabling 95% faster integration with the front-end
- Created front-end pages using **Ionic framework** and **React**, resulting in a 40% improvement in UI

PROJECTS

News Summarizer
Technologies: HTML5, CSS3, React, TypeScript, Bootstrap
- The "News Summarizer" is a **LLM application** with an advanced **AI-powered** search engine designed to revolutionize the way we consume news and information. It leverages technologies such as **TypeScript**, **Bootstrap**, **HTML5**, **CSS3**, and **React** to create an intuitive and efficient platform for users.

Student Management System
Technologies: Java, MySQL, OOP Architecture
- Established the "**Student Management System**," an enterprise-level application using **Java**, **MySQL**, **JDBC**, and **service-oriented architecture**, effectively managing 95% of academic and personal student information.
- It focuses on storing and tracking data, securing everything into one system rather than multiple records where administrator can edit data for any student