# Piyush Patil

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## EDUCATION

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|---|---|
| **BTech, Artificial Intelligence & Data Science** | 2021-2024 |
| Vishwakarma Institute of Information Technology, Pune | 8.9 CGPA |
| **Diploma, Computer Technology** | 2018-2021 |
| K.K. Wagh Polytechnic, Nashik | 94.51% |
| **SSC** | 2021 |
| Maratha High School Nashik | 81.80% |

## EXPERIENCE

**Software Engineer Intern, Vanderlande** | Java, Spring boot, Docker, Postgres, Cypress**.    Aug 2024 - Present**
- Developed microservices for backend systems using **Java and Spring Boot**, improving scalability and performance of services by 25%.
- Built and tested RESTful APIs for communication between microservices, enhancing integration efficiency by 30%.
- Wrote automated end-to-end tests using Cypress, reducing manual testing efforts by 40% and improving code quality.

**Software Developer Intern, Dalnex** | Angular, Ionic, Node, MongoDB.          June 2024 – Aug2024
- Developed a mobile app for FactOS using **Angular, Ionic, and Node.js**, featuring a secure JSON Web Token (**JWT**) based authentication system, resulting in a 30% enhancement in user security and management efficiency.
- Designed and created a comprehensive dashboard using Angular and Ionic, providing real-time data visualization and insights for factory management, leading to a 40% improvement in data accessibility and decision-making.

## TECHNICAL SKILLS

**Programming:** C++, C, Java, Python.
**Coursework:** Data Structures & Algorithms, OOP, DBMS, Operating System, SQL, MongoDB.
**Web Development:** HTML, CSS, JavaScript, Angular, React, Ionic, NodeJS.

## ACADEMIC PROJECTS

**AI-Powered 3D Immersion  Link |** ReactJS, Three-JS, NodeJS Open-AI, Blender.     Aug 2023 – Nov 2023
- Designed and integrated 3D models, adding customization features.
- Implemented AI (DALL-E) for unique model customization based on user prompts.
- Introduced a download feature for users to preserve customized models, resulting in 40% user satisfaction increase and 25% support request reduction.

**Chat Application  Link**                                                         April 2023 – May 2023
- Elevated user engagement and communication by creating a feature-rich chat application using React and Firebase.
- Optimized Google and Facebook login, resulting in a 40% sign-up increase and 25% faster onboarding.
- Implemented real-time messaging, group creation, and media sharing features.
- Resulted in a 40% boost in user engagement and a 25% reduction in user start times.

**Sorting Visualizer Link**  | HTML, CSS, JavaScript, Algorithms
- Enhanced user engagement by introducing a web-based tool showcasing sorting algorithms with visual animations.
- Achieved a 50% increase in user comprehension and a 30% reduction in learning time as a result.

## EXTRA CURRICULAR

**Active Member: Artificial Intelligence Student Association** Aug 2022 – May 2023
- Effectively spearheaded a college event publicity campaign, resulting in a 40% surge in attendance and fostering exceptional participant engagement.