

Abhishek Yergude

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Summary

A software developer with experience in building scalable, user-focused applications that enhance engagement, performance, and operational efficiency. Skilled at solving complex problems, streamlining workflows, and delivering high-impact digital solutions that align with business goals and user needs.

Education

Dr.Dy Patil Institute of Engineering Management and Research

Bachelor of Computer Engineering (CGPA: 8.79)

July 2025

Pune, Maharashtra

Technical Skills

Languages: Java, JavaScript, Typescript, Python, SQL

Tools/Technologies: Git/GitHub, JIRA, Postman, HTML, CSS, React.js, Next.js, Express.js, Node.js, ServiceNow.

Concepts: OOP, DBMS (MongoDB, MySQL), Computer Networks, Manual Testing.

Soft skills: Communication, Problem-solving, Adaptability, Teamwork, Creativity

Experience

GrapeDawn

Mar 2024 – May 2024

Frontend Developer

- Built scalable web applications using React Js, enhancing overall performance and user experience by 25%.
- Improved user retention by 20% through the implementation of responsive design and optimized navigation.
- Designed a robust school uniform website, facilitating the management of multiple schools and users, resulting in 35% boost in operational efficiency through seamless registration, ordering, and tracking systems.

Projects

AI Quiz Platform | Next.js, Typescript, Tailwindcss, Node.js, Firebase

June 2025 [Link]

- Built an interactive quiz application powered by AI for dynamic question generation and adaptive difficulty.
- Implemented real-time scoring, leaderboard, and progress tracking to enhance user engagement.
- Incorporated AI models to personalize quizzes based on user performance and learning patterns.

Intrusion Detection System | Python, React.js

May 2025 [Link]

- Developed a machine learning-based Intrusion Detection System (IDS) capable of classifying 125,973 network connections across 41 features, enhancing cybersecurity with high precision.
- Integrated XGBoost for classification and Whale Optimization Algorithm (WOA) for optimal feature selection, improving model performance and reducing dimensionality by 35%.
- Achieved 98% detection accuracy on the NSL-KDD dataset while minimizing false positives.

Pocketly | HTML, CSS, React.js, Firebase

Nov 2024 [Link]

- Implemented a financial management app with full CRUD functionality and CSV import/export features, resulting in 20% faster data entry and retrieval. Deployed the application on Firebase for scalable access.
- Reduced load time by 40% to optimize performance and accessibility. Made a responsive dashboard with financial charts to help users visualize spending patterns. Implemented authentication and user state management.

Certifications

Certified Application Developer – ServiceNow

[Link]

Fullstack Web Development – Udemy

[Link]

Social Engagements

President: Computer Student Association DYPIEMR (2024-25)

Technical Head: Computer Student Association DYPIEMR (2024-25)