

Yadnyesh Kolte

Software Engineer (Full Stack Developer)

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Highly motivated and results-oriented Software Engineer with a proven track record in developing and deploying high-quality software solutions, seeking a challenging role.

HACKATHONS/CONTESTS

- **Citi India Hackathon:-** [Gold Award Winner](#)
- **Hackfrost Winter Hackthon:-** [Participant Badge](#)
- **Kotlin Multi-platform Contest:-** Ongoing ...

PROJECTS

CrossDocs, cross-platform Markdown editor with AI assistance Jan 2025

- Developed a cross-platform Markdown editor using Kotlin Compose Multiplatform, featuring real-time preview, dark/light themes, and in-app Markdown guide
- Integrated Google's Gemini AI to provide real-time writing assistance, including suggestions, formatting help, and content ideas. Implemented APIs and message buses for seamless communication between the open-source Markdown editor and the Gemini AI, ensuring efficient data exchange and real-time feedback, and implemented basic monitoring tools.
- Packaged the application for Windows, macOS, Linux, and Android, ensuring native performance and seamless installation across platforms, implemented rigorous automated testing procedures throughout the SDLC, ensuring high-quality code and minimizing bugs before release.

Argo CD Guestbook Application Deployment Dec 2024

- Automated the deployment process of a Kubernetes-based guestbook application using Argo CD for continuous delivery on Kubernetes, achieving an 80% reduction in manual intervention and decreasing time spent on deployments to under five minutes, leveraging real-time processing and Big Data techniques for efficient operations.
- Containerized the application using Docker and deployed it to a Kubernetes cluster, ensuring scalability and efficient resource utilization.

React + Vite Static Page with Deployment Nov 2024

- Developed a static web page for a satellite assignment using React and Vite, emphasizing performance and modern web development practices, focusing on UI/UX design for optimal user experience.
- [Deployed](#) on GitHub Pages, achieving an average load time of 3 seconds and ensuring optimal user experience through rigorous testing and automated deployment processes for consistent website performance

ESP32-Based ATM-Like Functioning Telegram Bot Dec 2023

- Developed a Telegram bot integrated with the ESP32 microcontroller to simulate key ATM functionalities, providing a seamless hardware-software interaction
- Implemented Java and Java development alongside C++ and Python code, following SDLC best practices, to handle communication between the Telegram bot and ESP32, enabling remote ATM-like transactions and demonstrating proficiency in C++ and Java development.
- Spearheaded initiatives to refine microcontroller programming methodologies which led to an increase of response time efficiency by approximately 40%, thereby elevating overall transactional throughput within defined parameters

Breaking the Vigenère Cipher Mar 2023

- Developed a Java-based project to break the Vigenère Cipher using Chi-Square analysis, leveraging the Kasiski and Friedman tests to achieve a 97% accuracy rate in deciphering. This project demonstrated proficiency in algorithm design and implementation within a defined timeframes
- Successfully developed a Vigenère Cipher breaking tool using Java, IntelliJ IDEA, and Bash within an eight-week timeframe, demonstrating strong problem-solving and software development skills. This project showcased the ability to manage a project from conception to completion.

SKILLS

- **Programming Languages:-** Java, Kotlin, Python, JavaScript, C++, HTML/CSS
- **Frameworks & Libraries:-** React, Vite, Node.js, WebSockets, Docker, Kubernetes
- **Tools & Technologies:-** Git/GitHub, Argo CD, ESP32, Firebase, Google Cloud, Linux, SQL, AWS, ElasticSearch
- **Development Practices:-** Object-Oriented Programming, Agile/SDLC Methodologies, Continuous Integration/Continuous Deployment (CI/CD), Automated Testing, Microcontroller Programming
- **Other Skills:-** Cross-Platform Development, Hardware-Software Integration, Problem Solving, Technical Communication
- **Languages:-** English (Professional Working Proficiency), Marathi (Native), Hindi (Professional Working Proficiency), German (Basic)

EDUCATION

Visvesvaraya National Institute of Technology Nagpur Nagpur, Maharashtra
Bachelor of Technology CGPA 7.25/10
Major in Electronics and Communication Engineering (formally Electronics and Computer Science)

Joint Entrance Examination Advanced Qualified

Joint Entrance Examination Mains Percentile 99.20

Dr. Babasaheb Utangale Jr. College, Akola Akola, Maharashtra
12th Grade Percentage 80.77/100

Bal Shivaji High School, Akola Akola, Maharashtra
10th Grade Percentage 94.20/100

CERTIFICATIONS

- [AWS Educate Introduction to Cloud 101 \(Amazon Web Services\)](#)
- [GitHub Foundations \(GitHub\)](#)
- [Full Stack Developer Bootcamp - Master Frontend to Backend \(GeeksforGeeks\)](#)
- [Object Oriented Programming in Java \(Coursera\)](#)
- [Java Programming: Solving Problems with Software \(Coursera\)](#)
- [Agile Project Management Certification \(HP LIFE\)](#)