

# PURVA CHALINDRAWAR

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## SKILLS

Frontend	React.js, HTML, CSS3, JavaScript (ES6+), Tailwind CSS, Bootstrap
Backend	Python, Fast API, Flask, REST APIs, MongoDB, PostgreSQL, MySQL
Languages	Python, JavaScript, Java, Scala
AI/ML	OpenAI APIs, LLMs, Hugging Face, LangChain, Generative AI, Whisper, CBIR
DevOps & Cloud	Docker, Git, GitHub, Linux, AWS, Azure Cloud Services, CI/CD, DevOps
Core Concepts	Data Structures & Algorithms, Object-Oriented Programming (OOP)
Soft Skills	Team Leadership, Problem Solving, Time Management, Communication

## EXPERIENCE

<b>Full Stack Web Developer</b> Indian Cyber Security Solutions	Nov 2024 - Jun 2025 <i>Remote</i>
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- Engineered and deployed secure web platforms using React.js, Node.js, MongoDB, and Fast API, improving system reliability for 400+ client organizations.
- Automated build and release pipelines through Git-based CI/CD, reducing manual deployment time by 15%.
- Refined API performance and data-fetching logic, achieving a 20% boost in response speed and smoother front-end rendering.
- Integrated two-factor authentication (SMTP) and input validation to safeguard against SQL injection and XSS vulnerabilities.

<b>Team Leader</b> Younity.in	Jul 2023 - Sep 2023 <i>Remote</i>
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- Directed a 5-member cross-functional team, achieving highest revenue growth (30%) in two months through structured planning and mentorship.
- Introduced performance dashboards to track KPIs, raising team productivity by 20% and project delivery consistency.
- Built client-specific growth strategies that improved engagement and conversion rates by 25% across campaigns.
- Awarded multiple certifications for leadership excellence and recognized for maintaining top-tier client satisfaction.

## PROJECTS

### PyChatX – Real-Time Chat Application ([Visit site](#))

- Architected a secure real-time messaging app using React (Vite), Fast API, PostgreSQL, and JWT authentication; managed concurrent users with <1 s latency.
- Implemented Web Sockets for instant delivery and email-invite workflows, boosting user interaction by 35%.
- Enhanced scalability via asynchronous API handling and optimized queries using indexed tables.

### ImageSeal – Secure Image Sharing App ([Visit site](#))

- Developed a privacy-focused image platform using Flask, Streamlit, and PostgreSQL, protecting sensitive files with Fernet encryption.
- Systematized password-protected share-links and gallery management, ensuring secure access for 300+ images.
- Optimized encryption and database indexing, cutting load time by 25% and ensuring GDPR-grade security.

## YouTube Caption Embedder – AI Video Processing App ([Visit site](#))

- Created an AI-driven video captioning system with Streamlit, Whisper, and FFmpeg, automating clipping and subtitle embedding.
- Applied parallel multiprocessing, reducing video processing time by 40%, and achieved 95% transcription accuracy.
- Enabled creators to generate captioned short-form videos 3× faster, improving accessibility and engagement.

## JSON-Driven Video Composer – Automated Video Generator ([Visit site](#))

- Engineered a data-to-video automation tool using React (Vite), Remotion, and FFmpeg to convert JSON storyboards into rendered animations.
- Implemented timeline-based rendering, synchronized captions, and transitions for frame-accurate playback.
- Reduced manual editing effort by 60% and delivered scalable automation for marketing and e-learning use cases.

## EDUCATION

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<b>Bachelor of Technology in Computer Science</b> , MGM's College of Engineering, Nanded	2022 - 2025
<b>Diploma in Mechanical Engineering</b> , Government Polytechnic Pune	2019 - 2022

## ACHIEVEMENTS

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- **Hackathon Winner** – Delivered AI/ML solution that ranked 1st among 200+ participants. ([Visit](#))
- **Microsoft Learn Student Ambassador** – Recognized for technical leadership and mentoring developers globally.
- **Google Developer Certification (Kotlin)** – Validated skills in mobile app development and object-oriented design. ([Certificate](#))
- **Certified Docker Expert** – Gained expertise in Docker containerization. ([Certificate](#))
- **NLP with Python for Machine Learning** – Certified in Python, AI, and Natural Language Processing. ([Certificate](#))
- **Leadership Excellence – Younity.in** – Earned multiple awards for team management and record revenue achievement. ([Visit](#))