

AKSHAY K. KALE

Chaudhari Colony, Chikalthana Industrial Area, Chh. Sambhaji nagar - 431006

✉ kaleakshay8856@gmail.com

📷 @md5.axay

🌐 [in/akshay-kale-88792932a](https://www.linkedin.com/in/akshay-kale-88792932a)

SUMMARY

A skilled Web Developer, DevOps Enthusiast, and AI Integrator with experience in MERN Stack, Networking, Cybersecurity, and Ethical Hacking. Currently interning in DevOps, Python Development, and Software Development, focusing on CI/CD automation, cloud deployment, and AI-powered applications. Developed LegalGPT (Together AI API & SerpAPI) and a Fake News Detection Chatbot (OpenAI API). Passionate about building scalable and secure tech solutions.

WORK EXPERIENCE

Web Development Intern – Externs

Mar-2024 to Apr-2024

Duration: 1 month

- Developed and optimized web applications using modern technologies.
- Improved UI/UX and enhanced website performance.
- Created Fully Functional Web Design and User Experience with functional UI

DevOps Intern – CodeAlpha

Mar -2025 to Apr-2025

Duration: 1 month

- Worked on CI/CD pipelines, cloud deployment, and automation.
- Developed a CI/CD pipeline using Azure for seamless deployment.
- Implemented Docker and Kubernetes for containerization and orchestration.
- Integrated GitHub Actions for automated testing and deployment.

Python Development Intern – CodeTechie

April-2025 to Till Date

Duration: 2 month

- Built applications leveraging Python frameworks and APIs using Streamlit.
- Developed two AI-powered chatbots: LegalGPT (Together AI API & SerpAPI) for legal inquiries and Fake News Detector (OpenAI API) for misinformation detection.
- Integrated NLP models to enhance chatbot accuracy and response generation.
- Implemented database storage for user interactions and query history.

Software Development Intern – (Team Lead) Bluestock Fintech

April-2025 to Till Date

Duration: 2 month

- Developed a full-stack IPO listing web app using React, Tailwind CSS, and Node.js/Express to display real-time IPO data.
 - Designed and integrated RESTful APIs for fetching, filtering, and displaying IPO listings with high performance.
 - Automated testing and deployment pipelines using GitHub Actions, enabling seamless CI/CD integration.
 - Deployed the application on Netlify, optimizing for speed, responsiveness, and user experience.
 - Managed project documentation, tasks, and API contracts in Notion for streamlined team collaboration.
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EDUCATION

Pursuing Bachelor of Technology (B.Tech) in Electronics and Computer Engineering

Maharashtra Institute of Technology (Autonomous) *Second Year*

Expected Graduation : 2027

Deogiri College of Arts, Science, and Commerce

12th Grade – Science Stream (75%)

PROJECTS

LegalGPT Chatbot

Languages & Tech Used: *Python, Streamlit, Together AI API, SerpAPI*

- Developed a legal AI chatbot that provides legal information and case references.
- Integrated SerpAPI to fetch real-time legal articles, laws, and case studies.
- Utilized Together AI API for NLP-based responses to user queries.

Fake News Detection AI

Languages & Tech Used: *Python, Streamlit, OpenAI API*

- Built an AI-powered tool that verifies the authenticity of news articles.
- Utilized **OpenAI's NLP** models to analyze article content and detect misinformation.
- Designed a user-friendly interface in Streamlit for easy user interaction.

CI/CD Pipeline Development

Languages & Tech Used: *YAML, Azure DevOps, Bash Scripting*

- Implemented an automated deployment pipeline using Azure DevOps.
- Integrated version control, testing, and deployment for efficient software delivery.
- Ensured continuous integration to minimize downtime and enhance productivity

Background Remover

Languages & Tech Used: *HTML, CSS, Javascript, Removebg API*

- Created an AI-based tool to remove image backgrounds using computer vision algorithms.
- Leveraged OpenCV's image processing techniques to separate foreground from the background.
- Developed a GUI-based interface to allow users to upload and process images easily

Obsidian OS

Languages & Tech Used: *C, Assembly (x86_64)*

- Worked on building a custom lightweight operating system from scratch.
- Focused on kernel development, memory management, and process scheduling.
- Implemented basic system functions like file handling and task execution.

Tic-Tac-Toe Game

Languages & Tech Used: *HTML, CSS, Javascript*

- Developed a classic Tic-Tac-Toe game with an interactive GUI.
- Implemented AI-based decision-making using the Minimax algorithm.
- Allowed single-player (AI vs. Human) and multiplayer modes.

Weather Forecasting App

Languages & Tech Used: *JavaScript, ReactJS, Tailwind CSS, OpenWeather API*

- Built a real-time weather forecasting application using OpenWeather API.
- Provided current weather, hourly forecasts, and 7-day predictions.
- Designed a responsive UI for both desktop and mobile users.

Blustock IPO Web App

Languages & Tech Used: *JavaScript, ReactJS, Tailwind CSS, Node.js (Express) / Python (Django), GitHub Actions, Netlify*

- Built a real-time IPO tracking application for investors, displaying live and upcoming IPO details.
- Integrated RESTful APIs to fetch and render dynamic IPO data with filtering and search features.
- Designed a clean, responsive user interface for both desktop and mobile platforms.
- Deployed the application on Netlify with automated CI/CD using GitHub Actions.
- Used Notion for project tracking, documentation, and agile task management.

LANGUAGES

- English (**Intermediate**)
- Marathi (**Native**)
- Hindi (**Fluent**)

SKILLS

- **Web Development:** *HTML, CSS, JavaScript, React.js, MERN Stack, Tailwind CSS*
- **Backend:** *Node.js, MongoDB, REST API*
- **DevOps & Cloud:** *CI/CD Pipelines, Azure, AWS, Docker, Kubernetes*
- **Cybersecurity:** *Networking, Ethical Hacking, Linux*
- **AI & Machine Learning:** *NLP, OpenAI API, Together AI*
- **Frameworks & Tools:** *Streamlit, Postman*

EXTRA CURRICULUM & ACHIEVEMENTS

- Smart India Hackathon (SIH) Participant
- **Silver Medalist** – *State-Level Boxing Championship.*
- **Karate Brown Belt Holder** – *Achieved proficiency in martial arts.*
- **1st Prize Winner** – UI/UX Logo Design Competition by **Certify0** on Unstop

Achieved a perfect score of **5.00/5.00**, recognized for creative design and user-centric approach.