

AKSHAT RAJ

Patna, Bihar, India

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🐙 github.com/akshatraj

Education

VIT Bhopal University

Bachelor's in Computer Science

2022 – 2026

CGPA – 7.88

Satyam Int. School, Patna

12th Standard

2021 – 2022

Percentage – 78.6%

Technical Skills

Technologies/Frameworks/Libraries: C/C++, JavaScript, TypeScript, Python, Java, HTML, CSS, React JS, Node JS, Express JS, MongoDB, MySQL, GSAP, Machine Learning, Generative AI, APIs, Git, Github, Docker, UI / UX Designer

Data Structures and Algorithms, Object-Oriented Programming System, Database Management Systems

Experience

FullStack Web Developer Intern

Aug 2025 – Present

Zidio Development

- Automated CI/CD pipelines using GitHub Actions and Docker, cutting release deployment time and reducing manual errors.
- Containerized applications and deployed on AWS with Nginx, improving scalability, uptime, and user experience.
- Integrated automated testing into the pipeline, reducing post-release bugs and ensuring higher code stability.

Web Development Intern

Dec 2024 – Jan 2025

Pinnacle Labs Pvt. Ltd.

- Developed responsive web pages with HTML, CSS, and JavaScript, enhancing cross-device usability and fixing UI/UX issues.
- Optimized website performance by debugging and streamlining code, reducing average load times by 15%.

Projects

Secure Vision | *Python, TensorFlow, OpenCV, React, Node.js, Fast API, MongoDB, Docker* | [Link](#),

- Engineered an AI-based surveillance platform leveraging GANs for anomaly detection, achieving 95.3% accuracy with <2.1s response time.
- Enhanced low-light video quality by 32.7% (PSNR) and cut false positives by 67.8%, outperforming traditional systems.
- Deployed via Docker and Kubernetes, supporting scalability from single cameras to 50+ simultaneous streams with privacy-first on-device options.

Smart Soy | *Google Teachable Machine, Convolutional Neural Network (CNN), Image Processing, React, Node.js, Fast API, MongoDB* | [Link](#), [GitHub](#)

- Built a CNN-based classifier for identifying three soybean seed varieties during germination with high prediction accuracy.
- Trained a Convolutional Neural Network (CNN) using Google's Teachable Machine platform on a dataset of hundreds of labeled seed images, achieving high prediction accuracy for each variety.
- Delivered a user-friendly web app where farmers can upload images and instantly verify seed type without technical knowledge.

AI PDF Chatbot Agent | *LangChain, LangGraph, Next.js, OpenAI, Supabase* | [Link](#),

- Designed an interactive AI chatbot capable of parsing PDF documents and answering user queries in real time.
- Deployed a drag-and-drop enabled web interface for seamless file upload and instant contextual Q&A.

Profile Links

• [LeetCode/akshatraj](#) • [GeekforGeeks/akshatraj](#) • [CodeStudio/akshatraj](#)

Certifications

Full Stack Developer MERN – **SmartBridge** | [Link](#)

MERN Full Stack Certification – **Ethnus** | [Link](#)

The Bits and Bytes of Computer Networking – **Coursera** | [Link](#)

Achievements

- * Qualified for **Google Cloud Arcade Challenge 2024**, earning multiple skill badges and completing all milestones.
- * Deployed a full-stack **Book Store application** with 100+ active test users.
- * Solved **450+ coding problems on LeetCode** (Peak Rating: 1345), with additional practice on GFG and Codeforces.