ASHISH JHAJHARIA

Jhunjhunu, Rajasthan

📞 +91-8290893008   ✉ ashish.jhajharia2106@gmail.com   in LinkedIn   GitHub   🌐 Portfolio

Education

SRM Institute of Science and Technology   **2022 - 2026**
Bachelor of Technology in Computer Science and Engineering (CGPA: 9.26)   *Chennai, India*

New LBS English Medium Sr. Sec. School   **2010 - 2021**
Higher Secondary School (Percentage: 98.80%)   *Jhunjhunu, India*

Experience

Software Engineer Intern   **Feb 2025 - Jul 2025**
PoisonTune

- Worked closely with the founding team to build a complex backend for a custom LLM training platform, handling API development, database management (MongoDB), and automating tasks using Python and AWS.
- Developed web applications using React.js, Next.js, and TypeScript, ensuring smooth backend operations, testing databases, and following the software development process from start to finish.

Web Developer Intern   **Jul 2024 - Aug 2024**
InnoByte Services

- Acquired practical experience with front-end and back-end technologies, including version control systems like Git, and enhanced problem-solving skills in a real-world development environment.
- Participated in code reviews, identified bugs, and implemented fixes to improve the quality and reliability of web applications.

Projects

AI Short Video Generator | *Next.js, React, Tailwind CSS, Convex, Inngest, Gemini*   [Link]

- **Built** a full-stack SaaS application using Next.js and Gemini to generate AI-powered short videos from text prompts.
- **Integrated** Convex for real-time backend operations and user credit synchronization across sessions.
- **Automated** asynchronous tasks using Inngest to handle video generation in the background, reducing processing time.
- **Implemented** authentication, user credit tracking, and video history to support a scalable multi-user system.

Derma Vision | *Python, Gradio, gTTS, Whisper AI, Firebase, Groq*   [Link]

- **Developed** a multi-modal AI medical chatbot integrating voice input and skin image analysis using LLaMA 4 (Groq) for diagnostic insights, with a real-time interactive interface built in Gradio.
- **Enabled** natural voice feedback using gTTS and transcribed user speech with Whisper AI.
- **Automated** report generation with diagnostic summaries, sent directly to doctors via Firebase backend.
- **Added** secure login and cloud storage with Firebase to handle patient data and keep chat history safe.

Heart Disease Prediction | *Python, Pandas, Scikit-learn, Matplotlib*   [Link]

- **Built** a supervised ML model to predict the likelihood of heart disease using structured medical datasets.
- **Preprocessed** data with feature encoding, normalization, and handling of missing values to improve model accuracy.
- **Trained** multiple classification algorithms (Logistic Regression, KNN, Random Forest) and evaluated results using metrics like precision, recall, and ROC-AUC.
- **Visualized** key features and model results using Matplotlib to help understand patterns and support healthcare decisions.

Real-time WebRTC Object Detection | *FastAPI, WebRTC, React, Tailwind CSS, Docker*   [Link]

- **Built** a FastAPI backend with deep learning inference pipeline to process live frames and return detection overlays via WebSocket.
- **Designed** a React + Tailwind CSS frontend with live video overlay, adjustable resolution/FPS, and QR-based mobile access.
- **Containerized** frontend and backend with Docker for reproducible deployment and easy scalability.

Technical Skills

Languages: C, C++, Python

Developer Tools: Git, GitHub, Docker, Jenkins

Web & Frameworks: HTML, CSS, JavaScript, React, Next.js, Tailwind CSS

Database & Backend: Firebase, SQLite, Convex, MySQL

DevOps: CI/CD, Docker, Jenkins, GitHub Actions, Terraform, Shell Scripting

AI/ML: Machine Learning, Natural Language Processing, Deep Learning, Computer Vision, LLMs

Core CS Concepts: Data Structures & Algorithms, Operating Systems, DBMS, Compiler Design, Computer Networks

Extracurricular Activities

Arcade Program Participant | Google Cloud Skills Boost [View Badge]   **Aug 2025 - Oct 2025**
- Participated in the Google Arcade Program under the mentorship of a facilitator.
- Completed multiple hands-on labs and quests on Google Cloud technologies.
- Gained practical experience in cloud infrastructure, AI/ML services, and deployment workflows.
- Strengthened problem-solving and technical skills through guided learning and challenges.

Runner up | Redbull Basement Ideathon & Hackathon [View Certificate]   **Aug 2024**
- Secured **Runner-up position** in Redbull Basement Ideathon & Hackathon.
- Developed and presented an innovative solution under time-bound problem.

Participant | Flipkart GRiD 6.0 [View Certificate]   **Aug 2024**
- Participated in Flipkart GRiD, a national-level hackathon and competition.
- Worked on problem statements in software development and problem-solving.
- Enhanced skills in coding, algorithms, and practical implementation under time constraints.

Core Team Member | Computer Society of India (CSI)   **Jul 2024 - Aug 2025**
- Contributed as a volunteering member in organizing technical events, workshops, and coding competitions.
- Collaborated with team members to promote tech culture and engage students in CSI activities.

CERTIFICATES

Fortinet Certified Associate in Cybersecurity [View Certificate]	**May 2025**
AWS Academy Cloud Foundations [View Certificate]	**February 2025**
AWS Academy Machine Learning Foundations [View Certificate]	**February 2025**
Oracle Certified AI Foundation Associate [View Certificate]	**November 2024**
Cisco Networking Basics [View Certificate]	**September 2024**