Ashwath P

📞 +91-6369321280 | 🌐 ashwathp-portfolio.vercel.app | ⓞ github.com/ash-echo

in linkedin.com/in/ashwath-p-devloper

PROFESSIONAL SUMMARY

Motivated full-stack and AI-driven developer skilled in building scalable applications, real-time systems, and automated pipelines. Experienced with cloud deployments, DevOps practices, and modern UI design workflows. Passionate about production-level architecture, automation, and integrating intelligent features through LLM and API-driven workflows. Strong collaborative mindset demonstrated through hackathons, technical clubs, and rapid prototyping environments.

EDUCATION

- **Vellore Institute of Technology, Chennai** — *Present*
  M.Tech Integrated – Software Engineering — 2024–2029

- **Vivekananda Vidyalaya Jr. College (CBSE)** — *Completed 2023*
  LKG to 12th Standard — 2009–2023

EXPERIENCE

- **Independent Developer – Full-Stack, AI & DevOps**
  Self-driven Development — Jan 2023 – Present

  - Developed production-ready full-stack applications with modular architecture, multi-page routing, and automated workflows.
  - Designed scalable backend logic using Python (Streamlit), structured state management, and efficient CSV/DB operations.
  - Integrated AI workflows using GenAI, OCR, evaluation pipelines, text extraction, and LLM automation.
  - Managed cloud deployments using Linux servers, CI/CD pipelines, GitHub Actions, and automated build scripts.
  - Built reusable SCSS/CSS UI systems with responsive layouts and component-driven design.

- **Academic Developer – VIT Chennai**
  M.Tech Integrated – Software Engineering — 2024 – Present

  - Developed academic full-stack systems with unique identifiers, real-time features, workflows, and modular design.
  - Integrated AI/LLM APIs for evaluation, automation, and intelligent data interpretation.
  - Collaborated with Nexus Club and hackathon teams to build and deploy polished project deliverables.

MAJOR PROJECTS

- **EvalGenius – AI Handwritten Answer Evaluation**
  AI-driven handwritten answer evaluation using typed PDF answer keys powered by Gemini 2.5 Flash.

  - Built full OCR + LLM evaluation pipeline with reliability-focused fallback behaviour.
  - Integrated priority-based flow for API load spikes ensuring consistent output.
  - Multi-page UI for document upload, evaluation results, scoring, and verifications.
  - Architected scalable evaluation logic, data formatting, and result processing.
  - Live website: ashwathp-portfolio.vercel.app
  - Github Link: github.com/ash-echo/EvalGenius

- **LezLearn – Video Learning Platform**
  Full-stack LMS enabling instructors to upload courses, manage enrollments, and receive payments.

  - Built course upload, dashboards, content delivery, and secure routing.
  - Designed SCSS-based theming for clean UI and mobile responsiveness.

- Optimized for future subscription and wallet-based payment expansion.
- Github Link: github.com/ash-echo/LezLearn

- **HelpConnect – Social Donation & Help Platform**
  Community-driven system for donations, volunteer help, and real-time messaging.
  - Engineered donation flow, WebSocket chat system, user profile system, and feed algorithm.
  - Built X/Threads-style interface with reusable components and smooth interactions.
  - Designed multi-page navigation flows with secure routing and optimized UI.
  - Integrated Stripe payment processing for secure, real-time donation transactions.
  - Github Link: github.com/ash-echo/HelpConnect

- **MacOS-Inspired Interactive Portfolio**
  A fully interactive portfolio built as a functional MacOS interface with draggable apps, folders, and animations.
  - Implemented a MacOS-style UI with draggable windows, animations, and app-launcher experience.
  - Built working file explorer, multi-window navigation, custom terminal simulation, and interactive tools.
  - Integrated retro gaming emulators supporting Sonic 2, Pokemon Fire Red, and classic GameBoy titles.
  - Designed seamless interaction system with performance-focused rendering.
  - Live website: ashwathp-portfolio.vercel.app
  - Github Link: github.com/ash-echo/OS-Portfolio

Technical Skills

Languages: Python, Java, C, C++
Developer Tools: Git, GitHub, VS Code, Linux CLI, GitHub Actions
Frameworks & UI: Streamlit, SCSS/CSS, modular UI systems
Cloud/DevOps: Linux servers, free-tier hosting, CI/CD, automation pipelines
Databases: CSV, local DB, structured storage
AI/ML Integration: LLM APIs, GenAI, OCR workflows
Soft Skills: Debugging, teamwork, documentation, rapid prototyping
Domains: Full-stack development, AI automation, DevOps, scalable systems

Positions of Responsibility

- **Design Lead,** Nexus Technical Club – VIT Chennai   *Aug 2024 – Present*
  - Led UI/UX, branding, and creative direction for college tech events.
  - Coordinated development teams and streamlined project presentation workflows.

Hackathon Participation

- **Participant,** VoidV1 Hackathon – VIT Chennai   *2025*
  - Built a rapid prototype under a 24-hour sprint with clean architecture.

- **Participant,** HackTheGap Hackathon – VIT Chennai   *2025*
  - Worked on real-time systems and quick deployment workflows.

Achievements

- **Developed production-ready systems** featuring real-time and AI-driven components   *2023–2025*
- **Led creative direction for Nexus tech events**   *2024–Present*
- **Completed 24hr hackathon prototypes**   *2025*

Additional Information

- Strong interest in AI automation, scalable architecture, cloud-native systems, and intelligent workflows.
- Comfortable working in fast-paced environments with ownership and structured delivery.
- Learning advanced DevOps tooling, containerization, and distributed system design.