

Ashish Kushwaha

Software & DevOps Engineer

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EXPERIENCE

Software Development Engineer — Arial Labs

California, Remote

06/2024 – 05/2025

- Developed the company's core product MVP integrating Claude API with AWS serverless backend services.
- Set up CI/CD pipelines, monitoring, and infrastructure automation using DevOps.
- Built scalable architecture ensuring availability within 3 months, acquiring early customer acquisition.

Samsung Innovation Campus — Artificial Intelligence Training

Greater Noida, Onsite

06/2024 – 09/2024

- Completed comprehensive training on Artificial Intelligence covering Machine Learning and Data Analytics.
- Developed models and fine-tuned LLM and Gen AI models.
- Optimized training performance by managing system resources, GPU utilization, and process scheduling.

Web Developer Intern — Gautam Buddha University

Greater Noida, in campus

03/2023 – 06/2023

- Developed a MERN stack webapp to manage and track job applicants, improving recruitment efficiency by 30%.
- Implemented 5+ REST APIs and integrated MongoDB for robust and scalable data management.

PROJECTS

HireLift | Chrome Extension APIs, AWS, WebSockets and REST APIs.

- Unique AI-powered Chrome extension used by 10+ hiring managers across 60+ interviews to streamline technical evaluations.
- Integrates with 4+ platforms to analyze live captions and JD–CV uploads, generating real-time questions and ATS.
- Generates post-interview summaries with tech skills, JD alignment, and key candidate insights via the dashboard.

Huegen – Systems Theme Generator | C++17, OpenCV, linux

- A C++17 tool to extract dominant colors from images using K-means clustering and LAB-based perceptual filtering.
- Template engine to auto-generate theme files supporting 4+ color formats and 10+ application by default.
- Designed a modular architecture with customizable templates and automation hooks for instant theme application.

OpenAI-SDK-Research-Assistant - Multi-agents | OpenAI-SDK, Streamlit, LangChain, Multi-Agent.

- Engineered an AI research assistant using OpenAI SDK that automates 80% of end-to-end web research through a multi-agent workflow.
- Streamlit app handling PDF/text inputs and generating 5–10 page AI research reports with automated search and planning.
- Developed comparison modules that detect 30–50% knowledge gaps, benchmark new findings, and export structured markdown reports.

TECHNICAL SKILLS

Programming Languages: C++, C, Bash, JavaScript, Python, Lua, LaTeX, HTML, CSS.

Frameworks & Libraries: LangChain, OpenIASDK ReactJS, FXTUI, TailwindCSS, Chrome Extensions.

Databases: MySQL, MongoDB, pinecone.

Tools: AWS, QEMU, Linux, Git, GitHub Actions, Jenkins, Docker, Nginx, Terraform, Vagrant.

Soft Skills: Effective Communication, Problem-Solving, Leadership, Adaptability, Team Collaboration.

CERTIFICATION, PUBLICATION & ACHIEVEMENTS

- Published research paper titled “Adaptive Task-Based CPU Scaling for Efficient Power Allocation in Edge Computing” at CVR2025. The paper will be part of the Springer Book Series: Lecture Notes in Networks and Systems.
- Introduction to Linux (LFS101) by The Linux Foundation, covering core Linux systems and essential fundamentals.
- Earned the Hacktoberfest 2024 badge and published multiple packages on the Arch User Repository (AUR).
- Earned the Oracle Cloud Infrastructure Essentials badge, gaining hands-on experience with core OCI services and architecture.

EDUCATION

Gautam Buddha University

Bachelor of Technology in Computer Science and Engineering , CGPA: 8.2

Greater Noida, Uttar Pradesh

08/2020 – 06/2024

Gautam Buddha University

M.Tech in CSE with Specialization in Software Engineering, CGPA: 8.5

Greater Noida, Uttar Pradesh

08/2024 – 06/2025