

# Ashish Kushwaha

Software & DevOps Engineer

[github.com/ashish-kus](https://github.com/ashish-kus) | [ashish.kus2408@gmail.com](mailto:ashish.kus2408@gmail.com) | [linkedin.com/in/ashish-kushwaha2408](https://linkedin.com/in/ashish-kushwaha2408) | +91 7525874187

## 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

## EXPERIENCE

### Software Development Engineer — Arial Labs

06/2024 – 05/2025

California, Remote

- 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

06/2024 – 09/2024

Greater Noida, Onsite

- 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

03/2023 – 06/2023

Greater Noida, in campus

- 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.

### Research Papper | Adaptive Task-Based CPU Scaling for Efficient Power Allocation in Edge Computing

- Proposed a lightweight, task-based CPU frequency scaling framework and daemon-driven architecture for reduce power consumption and thermal stress in IoT devices.
- Achieved 90% reduction in CPU frequency variation and 6–8% lower average temperature on Raspberry Pi 3B.
- Published in Springer LNCS, CVR 2025, by NIT Goa, sponsored by the Soft Computing Research Society.

## TECHNICAL SKILLS

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

**Frameworks & Libraries:** ReactJS, FXTUI, TailwindCSS, Chrome Extensions, YAML.

**Databases:** MySQL, MongoDB.

**Tools:** SEO, 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.