

# Ashish Kushwaha

Software Developer Engineer

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## EDUCATION

### Gautam Buddha University

*B. Tech + M. Tech CSE in Software Engineering, CGPA: 8.5*

Greater Noida, Uttar Pradesh

*August 2020 – Present*

### Narayana IIT Academy, Raviryal

*Intermediate – Physics, Chemistry, Mathematics: 88%*

Hydrabad, Telangana State

*March 2017 – March 2019*

## EXPERIENCE

### Software Development Engineer — Arial Labs

June 2024 – April 2025

*California, Remote*

- Independently developed the company's core Chrome extension using React.js, Tailwind CSS, and Manifest V3 with cross-browser support, following SDLC best practices.
- Integrated Claude API with backend services using AWS Lambda, DynamoDB, and S3 to enable serverless, scalable AI-powered functionality, while maintaining code via GitHub and ensuring cloud security awareness.
- Configured and managed AWS environments, deploying the MVP through automated CI/CD pipelines, and collaborated via Jira to resolve issues with strong troubleshooting and analytical skills.

### Internship Trainee — Samsung Innovation Campus

June 2024 – Sept 2024

*Greater Noida, Offline*

- Developed and fine-tuned machine learning and AI models using Python, TensorFlow, and PyTorch.
- Applied AI techniques for data classification, prediction, and pattern recognition on large datasets.
- Performed ETL processes, exploratory data analysis (EDA), and created visual dashboards using Power BI and Excel.

### Web Developer Intern — Gautam Buddha University

March 2023 – June 2023

*Greater Noida, in campus*

- Designed and developed a frontend of web app with MERN stack to manage and track job applicants for university positions.
- Collaborated with the Registrar's Office to gather requirements and deliver features, optimizing the hiring process.

## PROJECTS

### [HireLift](#) | Chrome Extension APIs, WebSockets, AWS Lambda, S3, DynamoDB, and REST APIs.

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

### [Mtag Gen](#) | Meta Tag Generator | HTML, CSS, JavaScript, Netlify

- Developed an intuitive web app to preview and generate SEO meta tags (HTML, Open Graph, Twitter Cards) for websites.
- Allows users to fetch metadata from a URL or manually input values to create optimized tags in seconds.
- Deployed on Netlify and featured a clean UI/UX focused on simplicity, accessibility, and quick SEO validation.

### [Pixelify](#) | React, Tailwind CSS, Sanity.io, OAuth, Netlify, Git/GitHub

- A full-stack Pinterest-style image sharing platform with dynamic pin uploads, user authentication, and real-time updates.
- Includes Masonry layout, category filtering, pin detail view with comments, and secure pin creation with upload previews.

### [Huegen – Systems Theme Generator](#) | C++17, OpenCV, nlohmann/json, linux, CMake, Template Engine

- A C++17 tool to extract dominant colors from images using K-means clustering and LAB-based perceptual filtering.
- Built a template engine to auto-generate multi-format theme files (HEX, RGB, HSL, etc.) for Waybar, Hyprland, and more.
- Designed a modular architecture with customizable templates and automation hooks for instant theme application.

### [Waybar-Hotspot](#) | Bash, Zenity, create\_ap, QR

- Waybar module for monitoring and managing Wi-Fi hotspot status with graphical prompts using Zenity.
- Supports custom configurations for create\_ap and QR code display in tooltips for easy access.

### [Batfetch](#) | Linux Battery Information Analyzer | Shell, JSON, CLI, Makefile, AUR

- Command-line tool inspired by `pfetch`, display detailed battery information in a clean format with optional JSON output.
- Supports multiple installation methods including AUR, manual install via Makefile, and Nix Flake.
- Open source project with 4 open, 4 closed and 2 closed, 1 open pull request. This is available on Arch user Repositories.

## TECHNICAL SKILLS

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**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, github actions, Docker, nginx, Linux, S3, cloudWatch, Vagrant.

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

## CERTIFICATION, PUBLICATION & ACHIEVEMENTS

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- 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.