

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, Raviriyala

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.

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.

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