

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 Developer Intern — Arial Labs

June 2024 – Feb 2025

California, Remote

- Started with developing static web pages using React.js and Tailwind CSS, and progressed to independently building the company's core Chrome extension using Manifest V3 with cross-browser support.
- Integrated Claude API with backend services using AWS Lambda, DynamoDB, and S3 to enable serverless, scalable AI-powered functionality, maintaining the codebase via GitHub.
- Built and deployed the MVP along with an automated dashboard to track user activity and internal operations.

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 — SOMHH

Nov 2023 – Jan 2024

Delhi, Remote

- Developed a static fundraising website using Svelte and Bootstrap, significantly enhancing digital presence and outreach.
- Integrated Razorpay and Stripe payment gateways, streamlining the donation process and improving user experience.

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

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.

Pixelify | ReactJS, Bun, Prisma, Sanity, Docker, Netlify

- Fullstack platform for finding inspiration through pictures, inspired by Pinterest.
- Built using Bun, Prisma, ReactJS and Sanity; deployed using Netlify and Docker.

Vulnerability-Tracker | ReactJS, Bun, Prisma, Docker

- Fullstack cybersecurity tool to track vulnerabilities detected previously by the system.
- Have features like login, uploading system logs, quarterly scans and track vulnerabilities in these quarters.

Batfetch | Linux Battery Information Analyzer | Shell, JSON

- Command-line tool for detailed presentation of battery info on Linux systems with no dependency.
- Provides a JSON output option for easy integration with scripts and automation processes.
- Available for download and installation; contributed to the Linux open-source community and AUR.

TECHNICAL SKILLS

Programming Languages: C++, C, Bash, JavaScript, Python, Go, Lua, LaTeX

Frameworks & Libraries: ReactJS, FXTUI, TailwindCSS, Chrome Extensions

Databases: MySQL, MongoDB

Tools: AWS, QEMU, Linux, Git, GitHub, github actions, Docker, nginx, Linux (Arch, Ubuntu), nVim, cPanel

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.”
- Introduction to Linux (LFS101) covering core Linux system and various command-line fundamentals by The Linux Foundation.
- Earned the Hacktoberfest 2024 Badges, published multiple packages on Arch User Repositories.
- Winner of multiple hackathons, like Bhabha Bandhu by Microsoft, Glitch pan-india Hackathon on open source development.