

# 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*

- 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, Lua, LaTeX

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

**Databases:** MySQL, MongoDB

**Tools:** AWS, QEMU, Linux, Git, GitHub, Docker, nVim, Postman, Raspberry Pi, Arduino, cPanel

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

## ACHIEVEMENTS & POSITIONS OF RESPONSIBILITY

- Published research paper titled “Adaptive Task-Based CPU Scaling for Efficient Power Allocation in Edge Computing.”
- Winner of multiple hackathons, like Bhabha Bandhu by microsoft, Glitch pan-india Hackathon on open source development.
- Founder of Teach Hackfed Community – focused on learning in demand skills through fun events and workshops.
- Lead in Techno Cultural Council Club and Entrepreneurship Cell at GBU.