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EDUCATION

Gautam Buddha University — Greater Noida, Utter Pradesh
B. Tech + M. Tech CSE in Software Engineering, CGPA: 8.5 — *August 2020 – Present*

Narayana IIT Academy, Raviryala — Hydrabad, Telangana State
Intermediate – Physics, Chemistry, Mathematics: 88% — *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

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.

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 avalable on Arch user Repositories.

TECHNICAL SKILLS

Programming Languages: C++, C, Bash, JavaScript, Python, Go, Lua, LaTeX, HTML, CSS.
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 and actively contributing.
- Winner of multiple hackathons, like Bhabha Bandhu by Michrosoft, Glitch pan-india Hackathon on open source development.