Ujjwal Pathak

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WORK EXPERIENCE

Culinda Inc | Software Engineer Intern   Hyderabad, India (Remote) | January 2024 - December 2024
- Analyzed AI-based interview recordings using **Hume AI** across **20+** metrics, enhancing candidate assessment processes.
- Developed auto-job-apply bots for **5+** job portals, saving time by automating the job application process. Automated the bots to run daily **Cron jobs** using **GitHub Actions**.
- Deployed bots on **Cloud Functions** and **browserless** infrastructure, integrating **OpenAI** for tailored job application responses.
- Extracted hidden recruiter details from a job portal, to automate **cold emails** with tailored cover letters.
- Added **promo code** functionality for discounts and free trials, integrating **Razorpay** and **Stripe** payment gateways.

Exponance Twirltree LLP | Full Stack Developer Intern   February 2022 - July 2022
- Developed Staff Attendance System by designing and building **RESTful APIs**, reducing manual work by **50%**.
- Integrated **JWT** authentication to enhance security measures, resulting in a **30%** improvement in system security.

OPEN SOURCE CONTRIBUTIONS

WikiEduDashboard | React.js, MySQL, Ruby on Rails   Merged Pull Requests (10+)
- The Wiki Education Dashboard is a **Wikipedia management tool** for assignments and edit-a-thons.
- Achieved a **40%** reduction in course deletion time by simplifying the course deletion workflow.
- Created automated reminders for course creators, checking every **7** days for pending TA additions in **Ruby on Rails**.
- Modernized over **50** legacy **Font Files** icons to **SVG** format and wrote feature tests using the **RSpec** library.
- Attained resource efficiency gains on the main **request thread** by transferring the process of updating training content to **Sidekiq**.

Oppia | Angular.js, Google App Engine   Merged Pull Requests
- Oppia is a platform for creating educational content for primary school students aged **7** to **14**.
- Wrote frontend tests in **Jasmine** to maintain quality and robustness across new features.
- Implemented a language toggle in the **embedded-player**, enabling language switching for Oppia course content.
- Added functionality to temporarily unpublish stories without deleting translations, improving flexibility in the CMS.
- Fixed minor bugs like prerequisite skills appearing blank and a confusing dropdown in the skill editor.

PROJECTS

Interviewlabs | React.js, Express.js, and Redux Toolkit   Website Demo Video GitHub
- Built a **C++** interview platform using **WebRTC** (**simple-peer**) for smooth video calls during interviews.
- Leveraged **Socket.io** for real-time collaborative coding sessions remotely.
- Utilized **Docker** and **child processes** for containerized execution of **C++** code over the **cloud**.

Pintastic | Next.js, TypeScript, OAuth, NextAuth.js, and Zustand.   Website Demo Video GitHub
- Developed a Pin-sharing social media like Pinterest and used **Firebase** for user data and pin storage.
- Added **Chrome Extension** support to post pins from other websites, boosting user engagement by **50%**.

SKILLS

Languages:	C++, JavaScript, Python, MySQL
Frontend:	HTML, CSS, Next.js, React.js, Angular.js, Redux, Tailwind CSS
Backend:	Node.js, FastAPI, Express.js, MongoDB, Socket.io
Technologies:	Git, GitHub, Linux/Unix, Docker, RESTful APIs, Web Scraping
Soft Skills:	Data Modeling, Communication, Presentation, Result-oriented, Problem Solving

ACHIEVEMENTS

1st / 60 Teams	R&D Hackathon'22
2nd / 50 Teams	Murious'23 Hackathon
1st / 35 Teams	JUIT CSE Dept Contest'22
1st / 30 Individuals	Murious 16.0 Web-o-Fiesta

EDUCATION

Jaypee University of Information Technology   Solan, H.P
B.Tech in Computer Science Engineering - CGPA: 8.2/10   September 2021 - June 2025

COURSEWORK

Data Structures and Algorithms | Database Management System | Object Oriented Programming | Cloud Computing | Operating System