Ayush Tripathi

Dehradun | yush.pbh@gmail.com | +91 8960704965 | ayusht.me | linkedin.com/in/ayushpbh | github.com/Ayush-pbh

Experience

Software Developer Intern, IISc Bengaluru, ORFG Funded – Remote   March 2024 – July 2024

- Developed the Retraction Dashboard, a full-stack web application visualizing global research paper retraction statistics.
- Engineered data processing pipelines to analyze and categorize over 100,000 data points from the Retraction Watch Database, improving data accuracy to 99%.
- Implemented interactive data visualizations, enabling users to compare retraction trends across countries and research domains, increasing user engagement by 70%
- Administered DevOps practices to reduce deployment time by 40% and achieve 99.9% uptime, enhancing overall system reliability.

Founder & Lead Software Developer, Grey Project Studio – Dehradun, India   August 2022 – July 2024

- Founded and managed a successful digital agency, delivering high-quality software solutions to diverse clients.
- Led full-stack product development for web applications, mobile apps, operations software, sales tools and 20+ services.
- Increased agency revenue by 200% within the first year through effective client acquisition and project management.
- Instituted agile methodologies, resulting in a 60% reduction in project delivery time and improved code quality.

Digital Trainer Intern, Chhanv Foundation – Lucknow, India   June 2022 – July 2022

- Designed and led computer training program for 30+ survivors, boosting digital literacy by 180%.
- Managed team of 15 volunteers in Stop Acid Attack Campaign, reaching 10,000+ people.
- Conducted 30+ survivor interviews and collected data from 500 public respondents for key research.

Projects

Parko, Smart Parking Assistant - *Minor Project 1, UPES* | *ayusht.me/parko*   July 2023 - Dec 2023

- Created a fully automated parking management system, showcasing features like vehicle detection and number plate recognition, reducing human intervention by 90%.
- Deployed real-time map visualization and live navigation support, improved parking spot accessibility, pre-booking for over 5,000 users.
- Created advanced monitoring techniques with WhatsApp alert support and admin control, enhanced management efficiency and security by 60%.

Skills

Technical Skills   *Soft Skills*

- Programming Languages: JavaScript (TS), Java, Python, C, C++, Dart, GO, HTML/CSS
- Frontend Frameworks: Next.js, React, Flutter, Android.
- Backend Frameworks: Node.js, Flask, Django, Spring Boot, REST APIs, GraphQL
- DevOps: Git, AWS, GCP, Docker, CI/CD, Jenkins
- Other Technologies:MySQL, MongoDB, Neo4J, Pandas, Linux, Scripting, Web Scraping

- Agile Methodologies
- Team Management
- Public Speaking
- Technical Writing

Education

UPES, B.Tech in Computer Science - Specialization DevOps - **CGPA: 8.19/10**   2021 – 2025
APS, XIIth CBSE - **87%**   2021
ICCS, X[th] ICSE - **86%**   2019

Certifications & Awards

First Prize, U Hackathon 2.0: Awarded 1st Prize for Automated Restroom Locator out of 200 Entries.

First Prize, UPES Hackathon: Awarded 1st Prize for Police Mitr - SOS Alert Monitoring system, with response time under 10 ms, in collaboration with Uttrakhand Cyber Crime Department.

Second Prize, CSA Hackathon: Awarded 2nd Prize for Roadz - Road Quality & Pothole detection system out of 250+ International Entries.

3rd Prize, Hackathon: Awarded 3rd Prize for Sage Security - Automated Vulnerability Assessment tool, with self diagnostic, war room, penetration testing with reporting functionality.