

Piyush Kumar Agarwal

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SKILLS

- **Technical Skills:** Python, Java, JavaScript, TypeScript, C++, C, HTML, CSS
- **Tools and Platforms:** Git, GitHub, GitHub Actions (CI/CD), Vercel, Netlify, VS Code, Postman, Playwright, REST Assured
- **Frameworks & Libraries:** React, Node.js, Express, MongoDB, MySQL
- **Soft Skills:** Collaborator, Communication, Adaptability, Creativity, Multitasking

INTERNSHIP

- **Software Engineering Virtual Experience** Feb '25
ACCENTURE
 - Gained hands-on experience in **SDLC** and **STLC**, analyzing **5+ software methodologies** including Agile and Waterfall.
 - Developed and debugged **algorithms**, improving problem-solving efficiency by **30%** through structured debugging techniques.
 - Researched **10+ tech roles** and industry trends, strengthening understanding of **software development workflows** and career opportunities.
 - Completed **7 structured tasks** covering software development, testing, debugging, and algorithmic thinking to simulate **workflows**.
- **Lead Generation Intern** Apr '24
SPACENOS
 - Executed lead generation strategies, building a database with **10+ fields** for medical conferences held across **50+ countries**.
 - Leveraged 5+ AI-powered tools and web scraping extensions, **automating 80% of data collection** for enhanced efficiency.
 - Refined website responsiveness and performance, reducing **load time by 30%** for a seamless user experience.

PROJECTS

- **MEDICHECK – AI-BASED HEALTH REPORT VALIDATOR** Apr '25
 - Built a full-stack tool to analyze health reports via JSON upload or dynamic manual entry of 10+ parameters with validation.
 - Developed APIs with rule-based and AI-backed logic; automated 30+ Playwright tests for edge, negative, and boundary cases.
 - Integrated CI/CD using GitHub Actions to run tests on every push, ensuring reliable deployments and test coverage.
 - Focused on end-to-end quality ownership across UI, API, and AI response validation in real-world-like workflows.
- **BREAK YOUR BOREDOM** Mar '25
 - Engineered an AI-powered recommendation platform across 5 categories, curating 1000+ recommendations based on user preferences.
 - Applied 10+ interactive UI/UX features, boosting user engagement and accessibility by 40%.
 - Refined database queries, reducing content retrieval time by 30%, ensuring seamless scalability.
 - Integrated sentiment analysis and NLP, improving recommendation accuracy and user satisfaction by 35%.
- **LEETCODE BUDDY EXTENSION** Jan '25
 - Created a Chrome extension that provides real-time hints and solutions for 3000+ LeetCode questions.
 - Formulated a user-friendly interface that enhances problem-solving efficiency without revealing full solutions at once.
 - Built a responsive marketing website that reduced bounce rate by 35% and increased download conversions by 42% through UX/UI.
 - Designed an intuitive onboarding flow with Firebase, generating 200+ leads with a 78% form completion rate and automated downloads.
 - Implemented CI/CD using GitHub Actions for automatic builds and deployment, ensuring continuous delivery and code quality checks.

EXTRACURRICULAR ACTIVITIES

- Participated in **GNA Hackathon 1.0**, a 36-hour hackathon focused on innovative themes.
- Competed in the **Medha Hackathon**, focusing on problem-solving in the medical industry.
- Volunteered with **NSS**, actively engaging in social initiatives to drive community impact.
- Organized and led the successful execution of the **Code 100** event at SDMA, LPU.

CERTIFICATIONS

- Cloud Computing – NPTEL Dec '24
- Server-Side JavaScript with Node.js – NIIT Mar '24
- HTML, CSS, and JavaScript for Web Developers – Johns Hopkins University Mar '24
- Prompt Engineering for ChatGPT – Vanderbilt University Feb '24
- Generative AI with Large Language Models – DeepLearning.AI & AWS Feb '24

EDUCATION

- **Lovely Professional University** Phagwara, Punjab
Bachelor of Technology in Computer Science and Engineering; Percentage: 79% Aug '22-Present
- **DAV Kapildev Public School** Ranchi, Jharkhand
Intermediate; Percentage: 82% Apr '20 – May '21
- **DAV Public School** Daudnagar, Aurangabad
Matriculation; Percentage: 85% Apr '18 – May '19