**PRACHI PIYUSHBHAI JETHAVA**

Open to Relocate • 9303334111 • [prachi.jethava2001@gmail.com](mailto:::prachi.jethava2001@gmail.com) • [linkedin.com/in/prachijethava](https://www.linkedin.com/in/prachijethava) • [Portfolio](https://portfolio-seven-chi-23.vercel.app/) • [GitHub](https://github.com/prachi1211)

**SUMMARY**

Software Engineer with expertise in Python, React, and cloud technologies, specializing in building full-stack applications and AI models to solve complex problems, enhance system performance, and deliver innovative solutions. Collaborating across teams to deliver scalable solutions that improve customer experiences and drive business growth using Agile methodologies.

**EDUCATION**

**Indiana University - Bloomington** **Aug 2023 – May 2025**

*Master of Science in Computer Science* GPA:3.57/4.00

**Course:** Applied Algorithm, Computer Networks, Machine Learning, Software Engineering, Cloud Computing, Artificial Intelligence

**LDRP Institute of Technology and Research** **Jul 2019 – Jun 2023**

*Bachelor of Engineering in Computer Engineering* GPA:8.78/10.00

**SKILLS**

**Languages & Web Technologies:** Python, JavaScript, C, C++, SQL, React, Node.js, Django, HTML, CSS, TypeScript

**Databases & Tools:** PostgreSQL, MySQL, MongoDB, Redis, Git, Postman, Jira, Supabase, Tableau

**DevOps & Cloud Platform:** Docker, Kubernetes, GitHub Action, Amazon Web Services, Google Cloud Platform

**WORK EXPERIENCE**

**Software Engineer Intern** | Dream Leo **Sep 2022 - Feb 2023**

* Improved website performance by optimizing React components, applying lazy loading and reducing redundant API calls, resulting in a 40% faster load time, and enhancing the user experience for 100+ daily users, improving search engine rankings and higher visibility.
* Collaborated closely with UI/UX designers, business analysts, and cross-functional teams to revamp the website’s interface, leading to a 30% increase in user retention and a 20% boost in user satisfaction scores, enhancing overall usability and user experience.
* Implemented caching strategies with Redis, refactored code to reduce complexity, and optimized API responses by query optimization and load balancing, reducing website downtime by 50% and improving server response by 35%, enhancing reliability for user.

**Software Engineer Intern** | Capgemini **Jul 2022 - Aug 2022**

* Built an automated resume data extraction system using Python, reducing manual entry time from 5 min to 1 min and improving accuracy by 40% by streamlining data processing, minimizing errors, and accelerating information retrieval using contouring.
* Led weekly Agile sprints as Scrum Master, guiding a team through the development of an AI-driven resume parsing tool using the MERN stack and Bootstrap. Managed sprint planning and retrospectives in JIRA, improving sprint velocity by 30%.
* Enhanced data extraction by HaarCascade for image recognition, Bounding Box for structured data retrieval, Regular Expressions for key data extraction, customize name extraction model, achieving 95% accuracy by reducing misclassification and improving precision.

**Data Scientist Intern** | BrainyBeam **Jun 2022 - Jul 2022**

* Developed a sentiment analysis system using SVM and Naive Bayes to classify tweets. Improved accuracy by 30% by incorporating custom data-cleaning techniques, context-based feature extraction, and fine-tuning hyperparameters for better model performance.
* Improved the model by manually annotating tweet data, which increased accuracy by 25% and made sentiment classification more reliable. Also added real-time tracking of tweet sentiment for quicker insights.

**PROJECT EXPERIENCE**

[**WasteManagementSystem:**](https://github.com/prachi1211/WasteManagementSystem) Developed an AI-driven waste management platform using Next.js 14 and Google's Gemini AI for waste classification. Integrated Web3Auth for authentication, optimized operations with Drizzle ORM and Neon Database, and added a leaderboard to encourage community engagement. Designed the platform to enhance classification efficiency and promote sustainability.

[**Flight Booking System- VacayBuddy:**](https://github.com/juyee1698/VacayBuddy-backend) Developed a user-friendly travel platform using React for the frontend and MongoDB/Redis for the backend, offering seamless flight booking, itinerary planning, and personalized travel recommendations. Enhanced performance by building a Redis-based caching system for faster data retrieval. Streamlined deployment using Docker, set up a CI/CD pipeline, and deployed on Heroku, reducing deployment time and ensuring the platform scaled efficiently to handle high traffic load.

[**FixYourResume:**](https://github.com/prachi1211/FixYourResume) Created a web application using TypeScript and React that helps users improve their resumes. Users can upload their resume and add the Job Description in a text box. The app uses Gemini AI to compare the resume with the JD and find missing skills or experiences. It gives simple suggestions to make the resume better and more relevant for the job reducing time for matching resume and editing per application from 15 mins to 5 mins for each application.

**LEADERSHIP AND CO-CURRICULAR ACTIVITY**

**Google Cloud Co-facilitator 2025:** Guiding participants through tech challenges and fostering collaboration within community

**CEWIT Lead Intern**: Leading Women Who Code alliance at IU, organizing workshops, developing problem solving skills, managing interns, and collaborating with organizations to promote diversity in tech, with 9 months of experience.[[Link](https://womenandtech.indiana.edu/programs/student-alliance-groups/women-who-code.html)]

**Break The Barrier**: Organized a national level hackathon, managing website development and event operations. [[Link](https://breakthebarrier.ldrp.ac.in/)]

**Google Cloud Contributor:** Earned Silver League badge for the Google Cloud platform [[Link](https://www.credly.com/users/prachi.jethava)]

**IBM Hack Challenge:** Ranked in the top 30 out of 2,000 participants in the Hack Challenge 2021