

PRACHI PIYUSHBHAI JETHAVA

Open to Relocate • 9303334111 • prachi.jethava2001@gmail.com • [linkedin.com/in/prachijethava](https://www.linkedin.com/in/prachijethava) • [Portfolio](#) • [GitHub](#)

SUMMARY

Software Engineer expertise in Python, React and cloud technologies, skilled in building full-stack applications and machine learning models to address complex business challenges. Passionate about creating scalable solutions that enhance operational efficiency, improve customer experiences, and drive strategic growth through Agile methodologies.

EDUCATION

Indiana University - Bloomington

Master of Science in Computer Science

Aug 2023 – May 2025

GPA:3.57/4.00

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

LDRP Institute of Technology and Research

Bachelor of Engineering in Computer Engineering

Jul 2019 – Jun 2023

GPA:8.78/10.00

SKILLS

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

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

DevOps & Cloud Platform: Docker, Kubernetes, GitHub Action, Amazon Web Services[S3, QuickSight, Athena, Glue, Lambda], GCP

WORK EXPERIENCE

Software Developer Intern | Dream Leo

Sep 2022 - Feb 2023

- Optimized developing process and maintained 5+ ongoing real-time web applications based on client requirements, using MongoDB, React.js, and Node.js, resulting in a 30% reduction in development time and a 25% increase in testing efficiency
- Enhanced problem-solving skills by collaborating with 3 cross-functional teams and using an iterative software development approach, following 2-week Agile sprints, leading to a 40% improvement in project delivery timelines
- Delivered scalable solutions by managing a 500GB MongoDB database, implementing 20+ React.js features, and developing Node.js back-end logic, improving performance by 50% and reducing server response time by 35%

Software Engineer (Data Processing) | Capgemini

Jul 2022 - Aug 2022

- Led 12 two-week Agile sprints as Scrum Master, managing a team developing a AI driven resume parsing web application using MERN stack and Bootstrap. Conducted sprint planning, retrospectives, and JIRA-based tracking, improving sprint velocity by 30%
- Developed system using HaarCascade and Regular Expressions, Bounding Box, displaying data in a tabular format on the website and converted into a one-pager summary per resume, improving retrieval accuracy by 40% and reduced manual entry time by 50%
- Enhanced extraction by integrating HaarCascade for image fetching (85% accuracy), Bounding Box for structured section retrieval and Regular Expressions for key data extraction (95% accuracy in phone number & email detection) improvise availability for recruiters

Data Scientist | BrainyBeam

Jun 2022 - Jul 2022

- Designed a sentiment analysis system using SVM and Bayes classifier to analyze user feedback, incorporating a custom word-ranking algorithm to reduce data noise by 75%. improving product recommendation relevance by 40%, leading to enhanced context analysis
- Built and implemented an NLP tool leveraging RNN and LSTM architectures to process over 10,000 reviews per hour with 85% accuracy, significantly reducing manual moderation time by 60% and improving overall content moderation efficiency for real-time data handling

PROJECT EXPERIENCE

Unveiling Trends: A Cloud-Driven Data: Engineered a cloud-based data pipeline using AWS services (S3, Glue, Lambda, Athena, QuickSight) to analyze YouTube data. This system processes 5TB+ of data daily, reducing processing time by 60% and costs by 25%. The pipeline improved video category identification by 40% and audience targeting accuracy by 35%. Interactive dashboards increased data accessibility by 80% for 200+ daily users, boosting data-driven decision-making efficiency by 30%

Flight Booking System- VacayBuddy: Built a travel platform with React frontend and Mongoose/Redis backend, featuring flight booking, itinerary planning, and a recommendation engine. Implemented a caching system for personalized suggestions, increasing user engagement by 25% and booking conversions by 15%. Containerized the app with Docker and CI/CD pipeline and deployed on Heroku, cutting deployment time by 40% and improving scalability to handle 50% more users during peak seasons

IPL Score Prediction: Designed and developed an IPL score prediction system with a Django backend and HTML/CSS/JavaScript frontend, scraping and processing 10 years of cricket data to implement XGBoost regression for precise predictions. Integrated interactive data visualizations using Cognos Analysis software, enabling users to explore insights effectively, reducing data interpretation time by 30%, and increasing user engagement by 25% through an intuitive and user-friendly interface

LEADERSHIP AND CO-CURRICULAR ACTIVITY

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. [\[Link\]](#)

Break The Barrier: Organized a national level hackathon, managing website development and event operations. [\[Link\]](#)

Google Cloud Contributor: Earned Silver League badge for the Google Cloud platform [\[Link\]](#)

IBM Hack Challenge: Team was ranked among the top 30 out of 2,000 participants in the Hack Challenge 2021