

# Yashas R

LinkedIn: [linkedin.com/in/YashasR](https://www.linkedin.com/in/YashasR)

Github: [github.com/YashasR](https://github.com/YashasR)

Email: [yashas.r2002@gmail.com](mailto:yashas.r2002@gmail.com)

Mobile: +91-809-5762-180

## EDUCATION

- Bennett University Engineering College** Greater Noida, India
  - Bachelor of Technology (B.Tech) - Computer Science* | GPA: 8.59 *sept 2022 - June 2026*
  - Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

## SKILLS SUMMARY

- Programming & Scripting Languages:** Python, C++, JavaScript
- Frameworks & Libraries:** FastAPI, React.js, Next.js, OpenCV, PIL, Pandas, NumPy
- Databases & Cloud:** MongoDB, Firebase, Google Cloud
- Operating Systems & Tools:** Git, GitHub, Docker, CI/CD
- Soft Skills:** Problem-Solving, Ownership, Team Collaboration, Adaptability, Time Optimization

## PROFESSIONAL EXPERIENCE

- Metabees.org** Remote
  - Infrastructure Engineer* *Jan 2024 - Jan 2025*
    - Cloud Infrastructure Support:** Deployed and managed Google Cloud resources (Compute Engine, GPU machines, Storage, VPC) using Python scripts, ensuring 99.9% uptime for AR/VR and AI applications.
    - Automation & Monitoring:** Developed Python-based automation with Terraform and Ansible; implemented Prometheus/Grafana dashboards to reduce manual work and improve system visibility.
    - Security & Resource Management:** Configured IAM roles, firewall rules, and Python-driven backup solutions to enhance security and reliability.
- ObjectX Innovatech Pvt. Ltd.** Remote
  - React Developer (Intern)* *Jan 2025 - Present*
    - Frontend Development:** Built ObjectX's web platform from scratch using React.js, delivering a fully mobile-friendly UI. Enhanced load times by 35% and improved responsiveness by 20%, boosting user interaction.
    - 3D AR/VR Application Development:** Currently developing and deploying interactive 3D AR/VR learning tools on Google Cloud XR-Immersive Stream, ensuring smooth streaming for immersive experiences.
    - CI/CD Implementation:** Set up CI/CD workflows through GitHub, enabling regular weekly releases and maintaining 99.9% service availability while collaborating closely with the dev team to integrate Docker-based deployment.

## PROJECTS

- Levenshtein Visualizer - Edit Distance Fuzzy Search Tool (Live Demo) (GitHub):**
  - Built a web-based visualization tool for the **Levenshtein distance algorithm**, enabling users to trace string edit operations step-by-step with support for customizable operation weights.
  - Implemented a real-time **fuzzy search and spell checker** using Levenshtein distance, showcasing its practical application in intelligent word correction.
  - Built and deployed a fully responsive frontend using **React.js and Tailwind CSS**, ensuring fast load times and seamless cross-device experience.
- DocuQuery AI - Document Q&A System (GitHub):**
  - Engineered an AI-powered document analysis system using **FastAPI, Google Gemini 1.5 Flash, and RAG architecture**, enabling natural language conversations with PDF documents and achieving 94%+ response accuracy.
  - Implemented advanced **vector embeddings** with **Sentence Transformers** and **FAISS** for semantic search, delivering sub-second query responses through optimized **cosine similarity** algorithms and intelligent text chunking.
  - Designed production-ready **RESTful APIs** with **Pydantic** validation, **async/await** patterns, and comprehensive error handling, featuring automated PDF processing pipelines and persistent vector storage for scalable document retrieval.

## DATA STRUCTURES & ALGORITHM PROFICIENCY

- Proficiency:** Solved over 280 DSA problems, including 130+ on LeetCode and 150+ on GeeksforGeeks, maintaining an overall accuracy of 80%.
- LeetCode Profile:** [YashasR](#)

## HONORS AND AWARDS

- SIH 2024:** Ranked 7th among 300+ teams by building an AI-powered e-commerce platform, improving recommendation speeds by 40%.
- SIH 2023:** Placed 33rd out of 230+ teams, recognized for technical innovation.
- ALGO Hackathon 2024:** Secured a Top 10 finish out of 250+ participants at Bennett University.
- Sandbox Competition:** Won the startup challenge at Jaypee Institute of Technology Noida.

## VOLUNTEER EXPERIENCE

- Geeks For Geeks Club (Multimedia Co-Head & Event Organizer), Bennett University (2023–2024):** Planned and managed tech workshops for 3,000+ students and hosted coding events (Code Date & Galactic Escape) that drew over 7,000 participants.