

Yashas R

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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, Node.js, Express.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:** Assisted in deploying and managing Google Cloud resources (Compute Engine, GPU machines, Storage, VPC) to support AR/VR and AI applications, maintaining 99.9% uptime.
 - Automation & Monitoring Setup:** Worked on infrastructure automation using Terraform and Ansible; contributed to setting up Prometheus and Grafana dashboards, reducing manual setup efforts and improving system visibility.
 - Security & Resource Management:** Helped configure IAM roles, firewall rules, and backup procedures to enhance infrastructure 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

- Multiple Disease Prediction System using Machine Learning (GitHub):**
 - Developed ML models to predict **Heart Disease, Diabetes, Breast Cancer, and Lung Cancer**, achieving prediction accuracy between **85–92%** using algorithms like **Logistic Regression, SVM, CNN, and InceptionResNet**.
 - Built a responsive web app for real-time disease predictions using **React.js, Tailwind CSS, Node.js, Express.js, and MongoDB**, reducing patient diagnosis time by **75%**.
 - Designed the system to be scalable, allowing seamless addition of **3+ new disease models**, improving adaptability for future healthcare needs.
- 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.