

AKASH HANMANT RAO

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Summary

Motivated and detail-oriented Computer Science Engineering student with hands-on experience in building web-based applications and software solutions. Skilled in frontend and backend development, API integration, and database management. Strong problem-solving abilities, a solid foundation in programming concepts, and a passion for learning new technologies. Eager to contribute to real-world projects, collaborate with teams, and grow as a software professional.

Skills

Programming & Querying: HTML5, CSS3, React.js, Tailwind CSS, Node.js, Express.js, MongoDB, REST APIs.

Tools: VS Code, Cursor, Postman, Git/GitHub.

Technical Abilities: Full Stack Development, RESTful APIs, Object-Oriented Programming (OOP), Debugging & Optimization, Problem Solving, Responsive Design.

Experience

AIML Intern

August - 2025 – Present

JIEF (*On-site*)

Tools Used: VS Code, Cursor, Colab, TensorFlow/PyTorch

- Developed and fine-tuned machine learning models for tasks such as classification and prediction using Python.
- Implemented data preprocessing pipelines including cleaning, feature engineering, and visualization of large datasets.
- Experimented with deep learning architectures (CNNs/RNNs) and optimized hyperparameters to improve model accuracy.
- Deployed models into a prototype application and documented results to support decision-making.

Projects

Real-Time Face Blur | *OpenCV, Python*

August 2025

- Developed a computer vision application to detect and blur faces in live webcam streams using OpenCV.
- Implemented Haar Cascade-based face detection with real-time frame processing at 20–25 FPS.
- Applied Gaussian blur on detected regions to anonymize identities and ensure privacy.
- Enhanced accuracy by handling multiple faces simultaneously and optimizing frame-by-frame processing.

My Portfolio | *React, Typescript, CSS*

June 2025

- Designed and developed a personal portfolio to showcase projects, skills, and experience.
- Implemented responsive layouts and smooth navigation for an optimal user experience.
- Deployed the application on Vercel with optimized performance and SEO-friendly structure.
- [Visit Portfolio](#)

Awards & Certifications

- **Build with AI: Creating AI Agents with GPT-5:** Learned to design, build, and deploy intelligent AI agents powered by GPT-5 for real-world applications.
- **Getting Started as a Full-Stack Web Developer:** Gained hands-on experience in building and deploying full-stack web applications using front-end, back-end, and database technologies.
- **Prompt Engineering with Gemini:** Learned advanced prompt engineering techniques to optimize and customize responses from Google's Gemini AI models.

Education

B.E Computer Science and Engineering

Jain College of Engineering, Belagavi

Graduated: 2026

CGPA: 8.5 / 10