

# Nagendra Kumar Gubbala

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## Summary

Final-year **Computer Science** student with strong experience in **AI, Web Development, and Proctoring Systems**. Skilled in building scalable apps with **MERN, Next.js, and WebRTC**, integrating **AI/ML models**, and contributing to **open-source projects**. Passionate about applying AI to solve real-world challenges.

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## Experience

**BVS InfoTech** — *AI Product Development Intern*

May 2025 – Present

- Building an **AI Proctoring System** ([proctorview.com](http://proctorview.com)) using **MERN, Next.js, WebRTC**, and **MediaPipe**.
- Implemented real-time video streaming, AI-based cheating detection, and multi-student monitoring.
- Using **Jira** for agile project management and sprint tracking.

**Edgefx** — *R&D Intern*

Dec 2022 – Apr 2023

- Developed product code for an **automatic hand sanitizer** using **Arduino**.
- Gained hands-on experience in **IoT technologies** and prototype development.

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## Projects

**Gender Prediction System** — [predict.nagendragubbala.me](http://predict.nagendragubbala.me)

- Achieved **89% accuracy** in gender prediction using ML models.
- Flask backend + **MongoDB**, with **Firestore** authentication.
- Deployed on **Vercel & Azure**; 1,000+ monthly predictions.

**Payroll Management System** — [payroll.nagendragubbala.me](http://payroll.nagendragubbala.me)

- Advanced to state level at **AP TechFest 2022**.
- Implemented payroll calculations, deductions, and payslip generation.
- Improved efficiency by **30%**.

**BVC RAG AI** — [bvcai.nagendragubbala.me](http://bvcai.nagendragubbala.me)

- Built a **Retrieval-Augmented Generation (RAG)** system for academic Q&A.
- Integrated **Next.js, MongoDB, Pinecone**, and **Clerk**.
- Deployed custom **Hugging Face** models with **DeepSeekR1**.

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## Skills

**Languages:** Java, Python, JavaScript

**Platforms:** MongoDB, Vercel, Azure

**Frameworks:** React, Next.js, Flask, TensorFlow

**Libraries / Tech:** WebRTC, MediaPipe, Socket.IO

**Tools:** Git, GitHub, Firebase, Postman, VS Code, Jira

**Open Source Contributions:** Supabase, MSI-EC

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## Education

- **B.Tech** in *Computer Science and Engineering (AI & Data Science)*

**Institute:** BVCE | **2023–Present** | **CGPA:** 7.72

- **Diploma** in *Computer Engineering*

**Institute:** BVCITS | **2020–2023** | **Percentage:** 73.8%