

VISHAL HEGDE

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Aspiring developer with a strong foundation in Python, SQL, and Java, driven by a passion for creating innovative solutions. Highly motivated to learn and adapt to new technologies, continuously expanding technical expertise. Dedicated to contributing to impactful projects in software design and development while growing as a versatile and skilled professional in the field.

EDUCATION

10th GRADE | Sri Chaitanya Techno school, Vidyaranyapura

- Percentage: 89%

12th GRADE | Sri Chaitanya Techno school, MS Palya

- Percentage: 80%

Bachelor of Engineering in Electronics and Telecommunication | BMSIT&M College

Graduating 2026

- Achieved CGPA in 4th Semester: 8.18
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PROJECTS

Factory Workforce Efficiency System

Description:

Developed an integrated system to enhance workforce efficiency using computer vision and web applications.

- Implemented on CCTV footages of factories human detection and monitoring with YOLO and OpenCV.
- Created a GUI-based facial recognition based attendance system with SQLite for data storage.
- Built a Flask based web application easy access to data to admin and employees for viewing footages and data .
- Integrated email functionality with smtplib and Gmail for direct communication on webpage for shift management.
- Enabled employee profile updates and attendance access from SQLite DB through the web app.
- Historical analysis of data of employee for attendance, gender distribution and age using pandas and matplotlib from SQLite database

Technologies:

YOLO, OpenCV, Flask, SQLite, Matplotlib, Pandas, smtplib, html, CSS

Impact:

Enhanced workplace safety and efficiency through real-time monitoring and automated data management.

SKILLS

- SQL
- Python/Java/C programming
- HTML5/CSS
- OOPs
- Version Control (Git & GitHub)
- Proficient in Linux-based OS