

PANDURANG KHAVAL

Software Engineer Intern

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SUMMARY

I am a final-year **Computer Science and Business Systems** student at **KIT's College of Engineering (Autonomous)** with a strong interest in **Generative AI, Machine Learning, and DevOps**. Skilled in **Python** and currently advancing my knowledge in **Java, Data Structures, and Algorithms** to strengthen my problem-solving and programming foundation. I am a **fast learner** with excellent **analytical thinking, leadership, and team collaboration** skills, developed through various academic projects and group activities.

Seeking a **software engineering or AI/ML internship** opportunity where I can apply my technical expertise, learn from real-world challenges, and contribute to **innovative, scalable solutions**.

EXPERIENCE

Student

KIT's College of Engineering (Autonomous), Kolhapur

Nov '22 — Present

Kolhapur

- Participated in inter-college hackathons and technical events, gaining hands-on experience in coding and collaboration.
- Volunteered during tech fests and department events, managing coordination and event flow.

EDUCATION

B.Tech Computer Science & Business System, KIT's College of Engineering Kolhapur (Empowered Nov '22 — Present Autonomous) (GPA: 6.85) Kolhapur

- Percentage: 63.85%

HSC, K.D. Junior College Parawa

2020 — 2021
Parbhani

- Percentage: 93.00%

SSC, Bhartiya Bal Vidhya Mandir

2018 — 2019
Parbhani

- Percentage: 88.60%

CERTIFICATIONS

[Leading Team : Developing as a Leader](#), Coursera

Jun '23

[Adobe India Hackathon](#), Adobe

Aug '25

[Google AI Essentials](#), Coursera

Oct '25

PROJECTS

Personal Portfolio Website [Link](#)

- Technologies** : HTML, CSS, JavaScript
- Designed and developed a responsive personal portfolio to showcase projects and skills.
- Implemented clean and user-friendly layout using **HTML5** and **CSS3**.
- Added interactive features like smooth scrolling and navigation menu with **JavaScript**.
- Hosted the website using **GitHub Pages** for easy access and sharing.

Surface Defect Detection using Computer Vision (CNN & YOLO) [Link](#)

Present

- Technologies:** YOLOv11, CNN, PyTorch, Python, OpenCV
- Built a **real-time automated inspection system** to replace manual quality checks in manufacturing. Trained a **YOLO-based CNN model** to detect and classify seven surface defects, including oil marks, scratches, and bubbling.
- Achieved **89.8% test accuracy** and **mAP@0.5 of 0.887** on unseen data.
- Delivered **high-speed inference** at 15 ms per image (~66 FPS), supporting industrial production lines.
- Managed **data preprocessing and annotation** for 696 images and optimized model performance using a combined loss function.

SKILLS

Programming Languages Java, SQL, C, Python, HTML, CSS, JavaScript

Software Github, MySQL, git, Vscode, Microsoft Word

Interests Exploring Tech Startups and Entrepreneurship, Machine Learning and AI Applications,

Learning Emerging Tech and Tools through Self-Projects

Languages Marathi(Native), English, Hindi