

KARTIK AURSANG

Solapur, Maharashtra | 9307126981 | kartikaursang53@gmail.com

Linkedin : <https://www.linkedin.com/in/kartik-aursang>

Github : <https://github.com/Kartikaursang>



Objective

As a Software Engineer, I aim to leverage my skills in Artificial Intelligence, Data Science, and Software Development to create smart and innovative software solutions for Windows and to solve real-world problems while gaining practical experience and enhancing my expertise.

Internships

Full-Stack Developer

06/2023 - 06/2024

SkillLected, Pune

Skills: Full-Stack Development

Trainee

10/2023 – 03/2024

Zensar Technologies ESD Program, Pune.

Skills: Python, Java, PL/SQL

PERSONAL PROJECTS

Adaptive Traffic Signal Timer [-Click Here](#)

Led the development of a system to optimize traffic flow and reduce congestion using real-time vehicle detection with YOLO, Python, and Pygame.

Agri-AI: Smart Farming Assistant [-Click Here](#)

Developed a machine learning app for sustainable agriculture, featuring crop disease detection (CNN), smart crop recommendation (99.55% accuracy with Random Forest), fertilizer guidance, weather forecasting, and farming tips. Built with TensorFlow, Scikit-learn, and Streamlit for intuitive user interaction.

Library Management System [-Click Here](#)

Built a Flask app with MySQL for user and admin login, book borrowing, request management, and borrowing history tracking. Key features include user authentication, book borrowing with date range, admin request approval/denial, and CSV export for history.

Achievements

- Published a Research paper on Novel Framework for Real-Time Object Detection with Audio Output Leveraging Yolo And CNN in Springer.
- Finalists in "Innohacks 3.0" Hackathon organised at KIET Institutes, Ghaziabad, Up.
- Finalists in "Karnataka Police Hackathon" organised by Karnataka State Police at Bengaluru

Certifications

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|---------------------------------------|----------|
| • NPTEL-Programming in Java | Feb 2023 |
| • NPTEL-Data Base Management System. | Sep 2023 |
| • NPTEL-Deep Learning | Apr 2024 |
| • AWS- AWS Academy Cloud Foundations. | May 2024 |

Education

DBATU University, B-Tech	2025
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AI&DS | CGPA: 8.5
N K ORCHID COLLEGE OF ENGINEERING , SOLAPUR

MSBTE, Diploma	2022
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Information Technology | Percentage: 88.25%
GOVERNMENT POLYTECHNIC , SOLAPUR

MSBSHSE, SSC	2019
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Percentage: 85%
VALENTINE CIRCLE ENGLISH MEDIUM SCHOOL ,SOLAPUR

Skills & Abilities

Technical Skills:

- Programming Languages: c , Python,Java, Html, CSS , Javascript , Angular,React.
- Database: MySQL ,MongoDB.
- Machine Learning: Supervised and unsupervised learning techniques, deep learning frameworks (TensorFlow, PyTorch).
- Mobile Application Development: Andriod Studio, Java.

Soft Skills:

- Problem-Solving | Time Management | Leadership. | Organization

Declaration

I hereby declare that the information provided above is true and accurate to the best of my knowledge.

Place: Solapur

Name: Kartik Aursang