

Abhishek Tiwari

Software Developer

Thakur College of Science and Commerce
Mumbai, Maharashtra

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Education

Year	Degree	Institute/Board	SGPA/Percentage
2021 - Present	B.Sc IT	Thakur College of Science & Commerce	9.00 (Current)
2019 - 2021	HSC	Durgadevi Saraf Junior College	89.67 %
2007 - 2019	SSC	Maharashtra Board	79.80 %

Internship

Computer Vision & Python Development - FILAMENT AI

April 2023 - Present

- Developed and implemented a backend system using machine learning and computer vision techniques.
- Reduced false alarms and improved system accuracy by training a fire and smoke detection model.
- Created and implemented four use cases that enhanced operational efficiency and ensured client satisfaction.
- Collaborated With Dashboard developer to integrate the software functionalities with user-facing applications.
- Currently focused on developing an ANPR system using deep learning algorithms.

Projects

- **PPE, Helmet, and Shoe Detection with Alerts using Python**

Alert with a zoom image if anyone is found without PPE, Helmet, or Shoe, and Maintain Database.

- **Automatic Number plate detection and Performing OCR using Python**

Detect all the vehicles and perform OCR on their Number plate, and maintain records in a database with zoomed image readings of number plates.

- **Intelligent Mobile Travelling Guide using React Native, Python & MongoDB**

Under the Guidance of HOD S. K. Singh Sir

Application to generate a Personalized Tour Plan with Hotel, Restaurant suggestions, and how a user can Extend their Holiday.

Technical skills

- **Programming languages:** Python, C/C++, React Native
 - **Web technologies:** HTML, CSS, JavaScript
 - **Database management:** MySQL, MongoDB
 - **Operating system:** Windows, Linux
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Achievements

- **National Level Quiz, Mumbai:** Completed National level Quiz with a score of 80% on 'National Youth Day' Organized by the Library of KES Shroff College.
 - **Problem-Solving through Programming in C:** Successfully passed the NPTEL course 'Problem Solving through Programming in C' by Prof. Anupam Basu, IIT Kharagpur.
 - **National-level Scholarship exam:** Successfully passed the National-level Scholarship exam organized by Maharashtra State Council of Examination.
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Certification

- **100 days of code:** The Complete Python Pro Bootcamp for 2023, Udemy
 - **React Native and Firebase,** Thakur College of Science and Commerce
 - **JavaScript-** Basics to Advanced, Udemy
 - **CSS, Bootstrap, PHP,** Udemy
 - **Microsoft Excel,** Udemy
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Extracurriculars

- **ANZ Virtual Internship-** Got aware of Security reporting, Network traffic analysis, File type identification, and Open-source investigation.
- **English language Proficiency Test, Mumbai-** Participated in the 'English language Proficiency' Test organized by Thakur College.