



ABHISHEK KANADE
B.Tech IV year
SGSITS, Indore
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Enrollment No. : 0801CS221006
Department : Computer Science
Gender : Male
Specialization: None
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Academic Details

Degree / Certificate	University / Board	Institute / School	Year of Passing	CGPA / Percentage
Graduation	Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal	Shri Govindram Seksaria Institute of Technology and Science, Indore	2026	8.22(Till 6th sem)
12 th	Central Board of Secondary Education	Garima Vidya Vihar Sr. Sec. School Indore	2021	79.4%
10 th	Central Board of Secondary Education	Garima Vidya Vihar Sr. Sec. School Indore	2019	83%

Scholastic Achievements

- **3rd** rank in class of 10 th board examination
 - **4th** position out of 15+ teams in Sarathi-robo race (Aayam-2023)
 - Secured a CGPA of 8.22
- 2019
1 week
(Till 6th Sem)

Academic Projects

Hotel Management System(Customer end)

Mrs. Nikita Tiwari and Mrs. Teena Dubey

3 months
Computer Science,
SGSITS

- Tools: **Java, MySQL**
- Developed a desktop application to manage hotel operations including check-ins, check-outs, room availability, and billing.
- Integrated MySQL database to securely store customer and booking information.
- Implemented features for generating invoices and maintaining historical customer data for reporting purposes.

Infant Cry Analysis System (IOT and Machine learning)

Ms. Priyanka Bamne and Mr. Ranjeet Vishwakarma

2 months
Computer Science,
SGSITS

- Tools: **Python, Arduino IDE, ESP32**
- The project involves capturing 10 seconds audio of cries of infant and classifying it into various categories(ex: Hunger, Tired, Belly Pain, Discomfort etc.) hence finding out the reason for cry And helping new parents, thus bridging technology and parenting.
- The Classification algorithm involves applying **Random Forest Classifier** model on the different features of WAV audio file(like MFCC, Melspectrogram, Spectral contrast) for previously collected labelled dataset and deploying the model on cloud for all time availability.

Technical Projects

Attendance Scanner and Calculator

4 week

- Tools: **Python, TensorFlow (Keras), OpenCV, PaddleOCR, Tkinter.**
- Developed an OCR-based system to extract and process attendance data from scanned sheets using CNN models with ~90% character recognition accuracy.
- Designed a GUI with Tkinter to automate Excel export and user interaction, improving data accessibility.

- Delivered end-to-end automation of attendance tracking, achieving ~60% overall system accuracy.

Carbon Emission Forecasting System (Shell AICTE Internship)

4 week

- Tools: **Python, Random Forest, Streamlit.**
- Developed a predictive model to forecast per capita CO₂ emissions for 100+ countries over 20 years.
- Applied CAGR-based feature projections and historical data analysis to enhance model reliability.
- Achieved 86% predictive accuracy and deployed an interactive Streamlit dashboard for data visualization.

AutoML Pipeline Web App

12 week

- Tools: Python, Streamlit, Scikit-learn
- Engineered a full-stack AutoML platform enabling classification and regression workflows.
- Implemented robust data preprocessing (handling missing values, outliers, encoding, scaling), model selection, hyperparameter tuning, and evaluation.
- Delivered a Streamlit-based web interface to simplify end-to-end machine learning model training for non-technical users.

Platforms, Languages, Technologies & Tools Worked

- Operating Systems** : Windows, Linux, MacOS
- Programming Skills** : Python ,C, Mysql , Java
- Frameworks & Libraries** : Pandas, Tensorflow, Numpy, OpenCV, Streamlit , Matplotlib, Seaborn
- Software and Tools** : Git , Tableau, Power BI, VS Code, Arduino IDE

Courses Undertaken

- | Core | Breadth |
|--|---|
| <ul style="list-style-type: none"> Programming for problem solving Object Oriented Programming Systems Computer Architecture Operating Systems Data Structures Discrete Structures Programming Practices Lab Computer Hardware Lab DataBase Management System Computer Networks Theory of Computation Agile Software Methodology Machine Learning Data Analysis Android Application Development | <ul style="list-style-type: none"> Digital Communication Microprocessors and Microcontrollers Economics for Engineers Mathematics I,II,III,IV Technical English Engineering Drawing Constitution of India Values, Humanities and Professional Ethics Essence of Indian Traditional Knowledge |

Positions of Responsibility

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|---|--------|
| Coordinator <ul style="list-style-type: none"> Coordinator, Team Achintya Robo Race (Aayam 2023) – 4th Position | 1 week |
| Member of technical team in CodHunt <ul style="list-style-type: none"> In CodHunt event organized by Computer Club, SGSITS in Aayam 24. | 1 week |

Extracurricular Activities

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|--|--------|
| C BootCamp'24 <ul style="list-style-type: none"> Volunteered during C BootCamp'24 for mentoring 100+ first-year students over 5 days. | 5 days |
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