



BRIEF SUMMARY

Motivated and detail-oriented engineering student with a strong foundation in technical and analytical skills. Passionate about learning emerging technologies, developing innovative solutions, and contributing effectively to team projects. Seeking opportunities to apply my knowledge, enhance my practical experience, and grow both personally and professionally in a dynamic environment.

KEY EXPERTISE

Machine Learning Artificial Intelligence Data Analysis Problem Solving Python

EDUCATION

MIT Academy of Engineering, Pune

2023 - 2027

B.Tech. - Electronics and Telecommunication Engineering | CGPA: 7.82 / 10

Kamal Nayan bajaj high school

2023

12th | MSBSHSE | Percentage: 80.20 / 100

Kamal Nayan bajaj

2020

10th | MSBSHSE | Percentage: 80.17 / 100

AWARDS AND SCHOLARSHIPS

- Received internship certification from Eisystems Technologies and Robokwik for outstanding completion of AI internship project.

INTERNSHIPS

Edunet Foundation

15 Jul, 2025 - 07 Aug, 2025

AI & Cloud Technologies

Key Skills: IBM Cloud | Artificial Intelligence | Cloud Computing

Completed a 4-week online internship focused on Artificial Intelligence and Cloud Computing using IBM SkillsBuild and IBM Cloud platforms. Gained hands-on experience in emerging technologies through guided modules and virtual projects

SmartBridge

16 Jun, 2025 - 05 Aug, 2025

AI & ML

Key Skills: Python | Data Preprocessing | Machine Learning | Model Evaluation

Completed an online experiential learning internship on Artificial Intelligence and Machine Learning. Worked on academic and project-based tasks involving data preprocessing, model building, and evaluation using Python and ML libraries.

Eisystems

25 Jun, 2024 - 24 Jul, 2024

Artificial Intelligence

Key Skills:

Artificial Intelligence Machine Learning Data Analysis Python Data Preprocessing Model Training & Evaluation

Completed a 4-week internship focused on Artificial Intelligence and machine learning applications.

Developed a predictive model for "Survival Analysis of Passengers on the Titanic" using data preprocessing and algorithm training techniques.

Gained practical skills in data analysis, model evaluation.

PROJECTS

Hearing Impairment Assistant – Speech to Sign Language Translator

Key Skills: Python, SpeechRecognition, Tkinter, PIL, NumPy, Matplotlib, EasyGUI, OpenCV

Built a real-time Python application that converts spoken English to Indian Sign Language (ISL) using SpeechRecognition, Tkinter, and PIL. Integrated GIF animation mapping, offline speech handling, and image-based sign display to enhance accessibility for hearing-impaired users.

Blood Pressure Stage Prediction using Machine Learning

Key Skills: Python Machine Learning Data Preprocessing Model Evaluation

Developed a machine learning model to predict a patient's blood pressure stage based on medical parameters such as age, gender, systolic and diastolic readings, and medication status.
Performed extensive data cleaning, encoding, and visualization to understand key health trends.
Implemented multiple ML algorithms — Logistic Regression, Decision Tree, Random Forest, SVM, and Naive Bayes — to compare performance.
Achieved highest accuracy using Random Forest after hyperparameter tuning with RandomizedSearchCV.
Balanced the dataset using SMOTE and saved the final model using Pickle for future deployment.

ACHIEVEMENTS

- Successfully completed a 4-week internship in Artificial Intelligence, applying machine learning algorithms for predictive analysis.

CO-CURRICULAR ACTIVITIES

- Participated in AI and Data Science workshops to enhance technical and analytical skills. Worked on projects related to data preprocessing, visualization, and model building.

PERSONAL DETAILS

Gender: Male	Date of Birth: 22 Sep, 2005
Marital Status: Single	Known Languages: English,Hindi,Marathi
Current Address: Shree complex,Sambhajinagar,Chichwad, Pune, Maharashtra, India - 411019	Phone Numbers: +91-9767101628, +91-9359527388
Emails: adityasonakanalli@gmail.com , 202301070175@mitaoe.ac.in	