

BALAJI PATIL

+91 702849565 ◊ Pune, India

Balajipatilstudy@gmail.com ◊ [linkedin.com/in/balajipatil2703](https://www.linkedin.com/in/balajipatil2703) ◊ balajipatilportfolio.netlify.app

EDUCATION

B.Tech in Computer Science , VIT Bhopal University CGPA: 8.30/10	Expected 2026
12th CBSE , Army Public School Dighi Percentage: 91.4%	2019 – 2021
10th CBSE , Army Public School Dighi Percentage: 86.8%	2011 – 2019

PROJECTS

Data Analyst Agent ([GitHub](#)) ([Live](#))

- Engineered an AI-powered data analysis platform (Flask, Python) that accelerated data insight generation by 25% through intuitive natural language processing and automated visualization capabilities.
- Designed and implemented a conversational AI agent capable of processing diverse datasets (CSV, XLSX, TXT), automating over 5 critical data cleaning and analytical tasks, and generating dynamic, interactive data visualizations.
- Developed an intelligent data assistant leveraging Large Language Models (LLMs) to facilitate 100% code-free data exploration, supporting comprehensive analysis and visualization of both structured and unstructured datasets.

PrepAI ([GitHub](#)) ([Live](#))

- Developed a robust web-based application, PrepAI, specifically designed to automate and streamline dataset pre-processing workflows for machine learning initiatives.
- Implemented a full-stack Machine Learning visualizer incorporating automated Exploratory Data Analysis (EDA), diverse model training capabilities (e.g., Random Forest), and achieving 90%+ accuracy in model evaluation.
- Utilized Python, Flask, and Bootstrap for development, deploying machine learning algorithms on Render for scalable performance.

Smart Lecture ([GitHub](#))

- Engineered an NLP-driven summarization and Q&A bot for academic lectures, featuring advanced keyword extraction and an intuitive chatbot interface.
- Seamlessly integrated secure user authentication and personalized access using PostgreSQL and Flask.
- Significantly reduced manual content consumption time by 70% by providing concise summaries and instant, accurate answers.

EXTRA-CURRICULAR ACTIVITIES

- Enhanced problem-solving acumen by successfully solving over 200 algorithmic challenges on LeetCode ([LeetCode](#)).
- Demonstrated exceptional C++ proficiency by achieving a 5-star rating on HackerRank.
- Google Data Analytics Professional Certificate Nov 2024 – Dec 2024
- Developed interactive Power BI Dashboards, enabling robust data-driven insights through dynamic charts, key performance indicators (KPIs), and real-time reporting functionalities ([GitHub](#)).

SKILLS

Technical Skills	Python, C++, Machine Learning, Flask, NLP, Tableau, Pandas
Soft Skills	Problem Solving, Communication, Adaptability, Collaboration
Data Analytics	Tableau, Excel, PowerBI, Data Cleaning, Data Visualization, SQL, R