

# ADITYA BAPAT

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## Education

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<b>VIT Bhopal University</b> , Sehore, MP, India	(2022 – 2026)
<i>B. Tech. in Computer Science and Engineering (AI and ML Specialization)</i>	<b>CGPA: 8.68</b>
<b>Rao Junior College of Science</b> , Pune, MH, India	(2021 – 2022)
<i>HSC 12th Grade</i>	<b>71.33%</b>
<b>Muktangan English School</b> , Pune, MH, India	(2019 – 2020)
<i>SSC 10th Grade</i>	<b>91%</b>

## Skills

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- **Programming Languages:** C++, Python, SQL.
- **Technical:** Generative AI, Machine Learning, Deep Learning, NLP, LLM Fine-tuning, Data Science, Excel.
- **Libraries and Frameworks:** NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, Matplotlib.
- **Tools:** Jupyter Notebook, VS Code, Git, GitHub, Google Colab.
- **Databases:** MySQL.

## Certifications

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- GEN AI Using IBM Watsonx – May'25
- AWS Solutions Architect – Associate certification Program – May'25
- Applied Machine Learning in Python by University of Michigan – Dec'23
- NPTEL Privacy and Security in Online Social Media – Apr'24
- Computer Vision by VITYarthi – May'25

## Projects

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### Sentiment Analysis of Product Reviews using LSTM Model

GitHub

- Trained with Recurrent neural network model for the prediction.
- Further merged with LSTM model for boosting accuracy on predictions.
- Product Reviews Dataset which has around 25000 customer reviews.

### Ticket Support System

- Customer Support Ticketing System is a cloud native web application.
- This project aims to demonstrate serverless architecture, scalability and event driven computing using AWS tools.
- Designed using AWS Lambda, S3, DynamoDB, API Gateway.
- Designed HTML form as a front-end for submitting the ticket in format suitable for customers and displaying tickets with their IDs.

### Flight Delay Predictor

GitHub

- USA domestic flight Dataset used for training model.
- Re-LU activation function used to avoid vanishing gradient problem.
- Adam Optimizer used.
- Trained using many deep and hidden layers.

## Achievements

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- Fluent in languages such as English, Hindi, Marathi.
- Participated and qualified for Internal round of Smart India Hackathon 2024.
- Participated in BharatGenAI hackathon and gained hands on experience in LLM fine tuning during team project.
- My soft skills are strong communication, problem solving, leadership abilities and teamwork.