

# Aditya Kushal

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## EDUCATION

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### RV University - CGPA: 9.683/10

*Bachelor of Technology in Computer Science, Minor in FinTech*

Bengaluru, KA

Nov. 2022 – June 2026

## EXPERIENCE

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### Summer Internship

*RV University*

July 2024 – Present

*Bengaluru, KA*

- Led a team of 3 on pruning deep learning models to reduce its size while retaining accuracy.
- Implemented Cosine Similarity to find and prune similar filters to reduce information loss.
- Pruned LeNet5 model by 14.5x while having accuracy loss of 0.85.

### Deep Learning Intern

*VectraTech Global*

Sep. 2023 – Present

*Bengaluru, KA*

- Trained deep learning models for breast cancer detection.
- Trained BIRADS Classification on VGG16 and Breast Cancer Object Detection on Yolov7.

### Artificial Intelligence Intern

*Shaale*

Aug 2023 – May 2024

*Bengaluru, KA*

- Leveraged OpenAI to build a Chatbot on company's custom data.
- Implemented Cohere's API to rerank documents and retrieve relevant information.
- Implemented Tavily's API to provide Web Search functionality to the Chatbot.

## PROJECTS

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### Obstacle Avoidance System for Visually Impaired | *Python, PyTorch, Ultralytics*

Jan 2024 – May 2024

- Trained a Yolov8-nano object detection model to detect potholes, light poles, vehicles, and roadside stalls.
- Provides auditory results on number of objects detected along with their categories.

### Travel Recommendation System | *Python, Pandas, Scikit-learn*

Jan 2024 – Feb 2024

- Built a Travel Recommendation System where you can swipe to accept or reject a category.
- Compared to a database and recommended top 10 cities based on the similarities.

## TECHNICAL SKILLS

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**Languages:** Python, C, Java, SQL, HTML-CSS-JS

**Libraries:** Tensorflow, Pandas, NumPy, Scikit-learn

**Developer Tools:** Git, GitHub, Docker, Conda/Pip, VS Code, IntelliJ