


# ARUSH BHATNAGAR

## Machine Learning Engineer

B-79, INA Colony Pkt-A, New Delhi 110023 | +91 9625675154 |

 **LinkedIn** [linkedin.com/in/arush-bhatnagar-797448289/](https://www.linkedin.com/in/arush-bhatnagar-797448289/)

 **GitHub** [github.com/Random-Avgeek](https://github.com/Random-Avgeek)

 **Portfolio Site** <https://portfolio-arush-bhatnagar.vercel.app/>

### SUMMARY

A Machine Learning Engineer with expertise in developing AI models used for predictive analysis or generative purposes. Demonstrating teamwork, leadership, speaking and presentation skills with unchallengeable Research and topic backing. Furthermore, efficiently utilising AI tools to curb overhead time. Mixing skills to retain time and guarantee user satisfaction. Ensuring the use of Newer technologies to enhance the quality of work.

### TECHNICAL & NON-TECHNICAL SKILLS

**AI&ML:** Scikit-Learn, PyTorch, Tensorflow Machine Learning, Deep Learning, Generative AI, Predictive Analysis, NLP (Using **BERT**, **RNNs**, **Att Bi-LSTMs**), LLM Fine Tuning (GPT-2, Gemini-1.5, Mistral 7b)

**Web Integration:** JavaScript, TypeScript, Tailwind CSS, MERN Stack, PostgreSQL, Flask

**Tools:** Google Colab, VSCode, Google Cloud Console, AWS Cloud Console, Git, GitHub, Huggingface

**Non-Tech:** Diplomacy, Negotiation, Unhindered Speaking, Extensive Vocabulary, Team Management, Leadership, Stress Handling, Debating, English Proficiency, Content Writing.

### EXPERIENCE

#### Web Development Intern May-July 2025

- Built a basic React To-do App that increases the tendency to categorically remember a task by over 45%.
- MERN Stack Finance Tracker with 5 distinguished features like Budgets, Categories, Dashboard, Transactions and Tracking. Increasing 40% inference efficiency over conventional ways.
- ReactJS, MongoDB, HTML, CSS, SEO utilised

#### Automated PIL Generator March-April 2025

- Generative Pre-Trained Transformer (GPT2) used for the PIL generation with Hardcoded Formatting cutting down manual time by 80%. With a 75% Accuracy
- #47/1500+ recognised submissions worldwide in Devpost Mega Hackathon 2025.

#### Tech Team Member (Cisco) Sept 2024 - Present

- Since one year in the Technical Team, hosted and anchored the coding event to increase audience engagement by 55%.

#### IBM Generative AI May-June 2025

- Built a Flight Suggester AI using Gemini 1.5 Flash to suggest top 3 flights for users.
- Fine-tuning the dataset offline reduces training time and resources by 60%.
- Fallback Mechanism to suggest top 2 layover flights if direct options are less than 3

#### General Secretary (EKC) July 2025-Present

- Leading a team of 30+ Students to host 3 profitable and successful events under the headname of Eureka Club VITB.
- All events had a profit margin of 45% average under these policies.
- Increase Participant footfall by 35% with improved PR Tactics.
- Through negotiation and Diplomatic Skills, increased work efficiency, to produce a 20% increment in throughput.

#### AIML Training

May-Aug 2024

- Produced a detailed Predictive Analysis model for price detection using Random Forest with a test Accuracy of 85% and a test R2 score of 82.47.

### EDUCATION

#### B.Tech in CSE Core

VIT Bhopal University

September 2023 - Present

CGPA: 9.01

- Displaying the merger of efficient technical skills with Academic Excellence. Consistently ranking among the top 10% students of the class.
- Worked to host the Summer Fest 2025 under the Hostel Committee 2024-25 tenure with over 750 attendees. Created 3 designs (2 Video and 1 Poster) for the event promotion.

### ADDITIONAL INFORMATION AND EXPERIENCES

**Languages:** English, Hindi **Certifications:** Generative AI using IBM WatsonX (**IBM**), Machine Learning with Python (**IBM**), Introduction to Machine Learning Elite Learner (NPTEL IIT Madras).

**Awards/Activities:** Best Delegate VITBMUN'24, 1st Prize in Mathematics Quiz Ramanujan Day 2024, National Youth Parliament 2025 Ruling Party MP, Verbal Mention VITBMUN' 25.