

# Arihant Bhandari

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## EDUCATION

### VIT Bhopal University

B.Tech in Computer Science and Engineering — CGPA: 9.21/10

• Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Digital Logic Design, Cloud Computing, Artificial Intelligence and Machine Learning.

• Academic Achievements: Consistently ranked in the top 5 percent of the class.

### JG International School

12<sup>th</sup> Standard — Percentage: 85.2/100

### The New Tulip International School

10<sup>th</sup> Standard — Percentage: 85.6/100

Bhopal, Madhya Pradesh

Oct 2022 – Present

Ahmedabad, Gujarat

Jun 2020 – Jul 2021

Ahmedabad, Gujarat

Apr 2018 – May 2019

## WORK EXPERIENCE

### GirlScript Summer of Code - Contributor

Open Source

• Achieved top 0.12% ranking out of 20,000 participants and finished 82nd in the final rankings with a score of 1395.

• Submitted 25 pull requests across 20+ Machine Learning and Deep Learning projects, earning 7 badges for impactful contributions while collaborating via Git and GitHub.

May 2024 – Aug 2024

## PROJECTS

### Speech Sentiment Analysis

Deep Learning Project

• Built a CNN model achieving 94% accuracy in classifying speech sentiment (Positive, Negative, Neutral) using Melspectrogram features.

• Optimized model architecture with TensorFlow/Keras, reducing training time by 30% while improving accuracy by 15%.

### Metabolic Syndrome Prediction

Machine Learning Project

• Developed 15+ ML models on a 2,400-record dataset, reaching 90% accuracy using ensemble techniques.

• Performed feature importance analysis to extract key health indicators, aiding early diagnosis.

### Home Credit - Credit Risk Prediction

Machine Learning Project

• Developed a credit risk classifier on 1.5M data points, identifying 50K defaulters with advanced feature engineering.

• Applied ensemble models to boost robustness and reduce false positives by 15% in a Kaggle competition setting.

Jun 2024 – Jun 2024

Python, TensorFlow, Keras

May 2024 – Jun 2024

Python, Scikit-learn, NumPy, Pandas

Feb 2024 – May 2024

Python, Scikit-learn, NumPy, Pandas

## ACTIVITIES

### Machine Learning Team Lead, GDGC VIT Bhopal

Bhopal, MP

• Led a session on movie recommendation systems with a team of 5 and authored a 5-part blog series, *DeepLearning MegaThread* on Medium, which sparked 500+ interactions in its first month.

• Implemented MobileViT XXS from scratch and fine-tuned its pretrained variant on Tiny ImageNet at 64×64 and 96×96 resolutions, observing up to 35% higher accuracy with pretrained models.

### ML Core Team Member, GDSC VIT Bhopal

Bhopal, MP

• Organized and led 3+ Machine Learning and Deep Learning workshops, mentoring over 2000 peers.

• Co-organized major tech events including "Summer of Open Source", "HashTech", and "WinterFest ML Talks", attracting 5000+ participants.

Oct 2024 – Present

Dec 2023 – Aug 2024

## TECHNICAL SKILLS

• **Programming Languages:** Java, Python, C++

• **Deep Learning Frameworks:** TensorFlow, Keras, PyTorch

• **Tools & Libraries:** Scikit-learn, NumPy, Pandas, Matplotlib, Git, GitHub, Kaggle

• **Languages:** Fluent in English and Hindi

• **Postman API Fundamentals Student Expert Certificate:** Completed Postman Student Expert Certification in API testing and development.