

# ABHIJIT DEO

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## EDUCATION

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**Birla Institute Of Technology and Science, Goa**  
B.E Electronics and Instrumentation

2019-2023 (expected)

**Pace Junior Science College, Dadar, Mumbai**  
Higher Secondary Certification  
85% in Board Examination and 8057 All India Rank in JEE ADVANCED

2017-2019

**Rajapur Highschool Rajapur**  
Secondary School Certification  
97.40% in Board Examination

2014-2017

## EXPERIENCE

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**Government Of Goa**  
*Data Science Intern, Remote*

June 2021-Aug 2021

- Performed Exploratory Data Analysis of Agricultural data and Farmers Data.
- Tools used: Excel, Matplotlib, Numpy, Pandas.

## RESEARCH

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**Bayesian Deep Learning**

Jan 2022 - May 2022

- Working as an undergrad researcher at APPCAIR
- Studying Generative Models with Bayesian Neural Networks

## PROJECTS AND OPEN SOURCE CONTRIBUTION

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**Vformer**  
*Lead Contributor*

Oct 2021-Present

[Code](#)

- A Modular PyTorch library for Vision Transformers.
- Contains implementations of prominent ViT architectures broken down into modular components.
- Contributed to the library by implementing Vision Transformer Models like Swin Transformer, Pyramid Vision Transformer, Compact Transformer etc.

**TorchVision**  
*Contributor*

[Contributions](#)

- Integrated Stanford Cars Dataset to TorchVision.
- Added Complete IOU loss function

## TECHNICAL SKILLS

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**Programming Languages**  
**Frameworks**  
**Tools**

Python, Java, C/C++, Matlab  
Pytorch, Numpy, Keras, Tensorflow, Pandas OpenCV  
Git/Github, HTML, L<sup>A</sup>T<sub>E</sub>X, Pytest

## OTHER ACTIVITIES

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### Member

*Society for Artificial Intelligence and Deep Learning*

- Involved in reading and discussion sessions on artificial intelligence research
- Contributed to open source projects like VFormer

## RELEVANT COURSE-WORK

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### University

Digital Image Processing, Natural Language Processing, Optimization,  
Reading Course On Generative Adversarial Networks(GANS),  
Object Oriented Programming ,Meta Learning <sup>a</sup>

### Online

GANs Specialization(Coursera), Tensorflow Developer Certification(Udemy)

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<sup>a</sup>Auditing