# ABHIJIT DEO

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## EDUCATION

**Birla Institute Of Technology and Science, Goa**                    *2019-2023* (expected)
B.E Electronics and Instrumentation

**Pace Junior Science College, Dadar,Mumbai**                    *2017-2019*
Higher Secondary Certification
85% in Board Examination and 8057 All India Rank in JEE ADVANCED

**Rajapur Highschool Rajapur**                    *2014-2017*
Secondary School Certification
97.40% in Board Examination

## EXPERIENCE

**Government Of Goa**                    *June 2021-Aug 2021*
*Data Science Intern, Remote*

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

**SAMSUNG Research Institute, Banglore**                    *July 2022 - Current*
*Research Intern*

· Working on improving Bixby: Samsung's Voice Assistant

## RESEARCH

**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

**Vformer**                    *Oct 2021-Present*
*Lead Contributor*                    *[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** | Python, Java, C/C++,Matlab |
| **Frameworks** | Pytorch, Numpy, Keras, Tensorflow,Pandas OpenCV |
| **Tools** | Git/Github, HTML, LaTeX, Pytest |

## OTHER ACTIVITIES

**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 [a] |
| **Online** | GANs Specialization(Coursera), Tensorflow Developer Certification(Udemy) |

[a]Auditing