

# VIVEK MOHAN

Mumbai, India

(+91) 9930822355 ◊ vivek-mohan@outlook.com

## EDUCATION

<b>Birla Institute of Technology &amp; Science, Goa Campus</b>	<i>2020 - 2024</i>
B.E Electrical and Electronics Engineering	CGPA: 6.87
<b>PACE Junior Science College, Mumbai</b>	<i>2018 - 2020</i>
12th Grade and Equivalent	Percentage: 89.54

## PROJECTS

<b>Testing underwater communication systems</b> , Dr.Sarang Dhongdi	<i>January, 2024</i>
Developed an underwater acoustic modem for the shallow water UASN deployment. Communication links between two modems, relaying a sinusoid generated using Raspberry Pi hardware, were tested using a lab-based test bed set-up.	
<i>Skills: MATLAB and Simulink for creating the models, Raspberry Pi for running the models.</i>	
<b>Classification of EEG Signals using Machine Learning</b> , Dr.Anurag Nishad	<i>January, 2024</i>
Explored a variation of the Wigner-Ville distribution to decompose EEG signals and to further classify and rank features to identify cases of brain epilepsy.	
<i>Skills: MATLAB for running the signal decomposition algorithms and feature classification.</i>	

## ACTIVITIES

<b>The Music Society</b> , BITS Goa	<i>2020-2024</i>
Core Member, Pianist and Vocalist.	
<b>Synchronoise</b> , A Capella Crew of BITS Goa	<i>2020-2024</i>
Sub-Coordinator, Vocalist and Beat-boxer.	
<b>The Drama Club</b> , BITS Goa	<i>2020-2024</i>
Actor, Assistant Director.	

## SKILLS

<b>Programming Languages And Applications</b>
Python, MATLAB, Simulink, C++, C, Java, HTML, FL Studio, Adobe Premiere Pro, Canva, Figma
<b>Areas of Interest</b>
Machine Learning, Neural Networks, Signal Processing, Communication Systems, Audio Production
<b>Languages</b>
English, Hindi, Tamil, Malayalam, Spanish

## AWARDS AND CERTIFICATIONS

<b>Python for Data Science and Machine Learning</b> , Udemy	<i>May, 2024</i>
Certificate of completion for the Machine Learning Course offered by Jose Portilla.	
<b>Machine Learning with Python</b> , Coursera	<i>November, 2023</i>
Certificate of completion for the Machine Learning Course offered by IBM.	
<b>INSPIRE-SHE Scholarship</b> , Government of India	<i>May, 2020</i>
Ranked in the top 1 %tile of students in the 12th Grade State Examinations.	
<b>Certificate of Distinction in Classical Piano, Grade 6</b> , Trinity College London	<i>February, 2018</i>
Award for passing the graded examination in Music Performance with Distinction.	
<b>Certificate of Distinction in Music Theory, Grade 4</b> , Trinity College London	<i>February, 2018</i>
Secured distinction in the graded examination in Music Theory.	
<b>Certificate of Distinction in Jazz Piano, Grade 5</b> , University of West London	<i>December, 2015</i>
Achieved distinction in the graded examination in Music Performance.	