

<b>Contact Information</b>	Indian Institute of Technology, Gandhinagar Palaj, Gandhinagar India, 382355(Pin code)	Homepage: <a href="#">webpage</a> Linkedin: <a href="https://www.linkedin.com/in/ayush-jaiswal">www.linkedin.com/in/ayush-jaiswal</a> ✉ E-mail: <a href="mailto:ayush.jaiswal@iitgn.ac.in">ayush.jaiswal@iitgn.ac.in</a> ✉ E-mail: <a href="mailto:jaiswalapplication@gmail.com">jaiswalapplication@gmail.com</a>
<b>Research Background</b>	<b>Algebraic Geometry</b> More specifically, I think about parabolic bundles and $d$ -holomorphic bundles on Klein surfaces.	
<b>Education</b>	<b>Indian Institute of Technology, Gandhinagar(IITGn)</b> , India 2017–2023 (expected) <ul style="list-style-type: none"> <li>Ph.D. in Discipline of Mathematics, CPI: <b>7.94</b> – via 44 credits. <ul style="list-style-type: none"> <li>Thesis: <i>On <math>d</math>-holomorphic connections and gauge theoretic aspects of parabolic bundles over Klein surface</i></li> </ul> </li> <li>Advisor: Prof. Sanjaykumar Amrutiya.</li> </ul> <b>Indian Institute of Technology, Kanpur(IITK)</b> , India. 2013–2015 <ul style="list-style-type: none"> <li>M.Sc., Mathematics. CPI: <b>7.2</b> – via 80 credits</li> </ul>	
<b>Technical Skills</b>	<ul style="list-style-type: none"> <li><i>Programming Languages</i>: C/C++, Python</li> <li><i>Technical Softwares</i>: MATLAB, Git-hub</li> </ul>	
<b>Research Interests</b>	Algebraic Geometry <ul style="list-style-type: none"> <li>Parabolic bundles</li> <li><math>d</math>-holomorphic bundles</li> </ul>	
<b>Selected Publications/Preprints</b>	<ol style="list-style-type: none"> <li>Sanjay Amrutiya, Ayush Jaiswal, “<i>On <math>d</math>-holomorphic connections</i>”, arXiv preprint arXiv : 2208:04354; 2022.</li> <li>Sanjay Amrutiya, Ayush Jaiswal, “<i>A gauge theoretic aspects of parabolic bundles over Klein surfaces</i>”, arXiv preprint arXiv : 2202:06210; 2022.</li> </ol>	
<b>Professional Achievements/Awards/Scholarships</b>	<ul style="list-style-type: none"> <li>Secured 2nd position(merit based) in during B.Sc.(IInd year) 2010–2011</li> <li><i>Joint Admission Test for Masters(JAM)</i> organised by <i>Indian Institute of Technology, Delhi(IITD)</i> 2013</li> <li><i>Graduate Aptitude Test for Engineering(GATE)</i> organised by <i>Indian Institute of Technology, Kanpur(IITK)</i> 2015</li> <li><i>Graduate Aptitude Test for Engineering(GATE)</i> organised by <i>Indian Institute of Science, Bangalore(IISC)</i> 2016</li> <li><i>Junior Research Fellow(JRF)</i> organised by <i>Council of Scientific and Industrial Research(CSIR)</i> 2015,2016</li> </ul>	

<b>Workshops/ Conferences attended</b>	<ul style="list-style-type: none"> <li>• <i>Moduli of bundles and related structures</i> at ICTS, Bangalore, India. 10 February–14 February, 2020</li> </ul>
	<ul style="list-style-type: none"> <li>• Workshop on <i>Characteristic classes and cobordism</i> at IIT Bombay, Powai, Maharashtra, India. 4 March–15 March, 2019</li> </ul>
	<ul style="list-style-type: none"> <li>• AIS(Advanced Instructional School) on <i>Linear Algebraic Groups</i> at IIT Bombay, Powai, Maharashtra, India. 24 June–13 July 2019</li> </ul>
	<ul style="list-style-type: none"> <li>• AIC(Advanced Instructional Course) on <i>Commutative Algebra</i> in online mode. 2 January–2 May, 2021</li> </ul>
	<ul style="list-style-type: none"> <li>• AIS(Advanced Instructional School) on <i>Basic Algebraic Geometry</i> at IISER Pune, Pune, Maharashtra, India. 25 June–14 July, 2018</li> </ul>
<b>Delivered Talks/Poster Presentations</b>	<ol style="list-style-type: none"> <li>1. On <math>d</math>-holomorphic connections(Talk), <i>Conference on Algebraic Geometry</i>, Harish Chandra Institute, Prayagraj, India. December 12-16, 2022.</li> </ol>
	<ol style="list-style-type: none"> <li>2. On <math>d</math>-holomorphic connections(Poster presentation), <i>Vector bundles in Chennai</i>, Department of mathematics, IIT Madras, Chennai, India. February 6-11, 2023.</li> </ol>
<b>Teaching Experience</b>	<ul style="list-style-type: none"> <li>• Graduate Teaching Fellow for the course MA 102, Mathematics II(Linear Algebra and Differential Equations) at IIT Gandhinagar, Gujarat, India Spring semester, 2018–2019</li> </ul>
	<ul style="list-style-type: none"> <li>• Graduate Teaching Fellow for the course MA 504, Linear Algebra at IIT Gandhinagar, Gujarat, India Autumn semester, 2019–2020</li> </ul>
	<ul style="list-style-type: none"> <li>• Graduate Teaching Fellow for the course MA 102, Mathematics II(Several Variable Calculus and Complex Analysis) at IIT Gandhinagar, Gujarat, India Spring semester, 2019–2020</li> </ul>