

Contact Information	Indian Institute of Technology, Gandhinagar Palaj, Gandhinagar India, 382355(Pin code)	Homepage: webpage Linkedin: www.linkedin.com/in/ayush-jaiswal ✉ E-mail: ayush.jaiswal@iitgn.ac.in ✉ E-mail: jaiswalapplication@gmail.com
Research Background	Algebraic Geometry More specifically, I think about parabolic bundles and d -holomorphic bundles on Klein surfaces.	
Education	Indian Institute of Technology, Gandhinagar(IITGn) , India 2017–2023 (expected) <ul style="list-style-type: none"> Ph.D. in Discipline of Mathematics, CPI: 7.94 – via 44 credits. <ul style="list-style-type: none"> Thesis: <i>On d-holomorphic connections and gauge theoretic aspects of parabolic bundles over Klein surface</i> Advisor: Prof. Sanjaykumar Amrutiya. Indian Institute of Technology, Kanpur(IITK) , India. 2013–2015 <ul style="list-style-type: none"> M.Sc., Mathematics. CPI: 7.2 – via 80 credits 	
Technical Skills	<ul style="list-style-type: none"> <i>Programming Languages</i>: C/C++, Python <i>Technical Softwares</i>: MATLAB, Git-hub 	
Research Interests	Algebraic Geometry <ul style="list-style-type: none"> Parabolic bundles d-holomorphic bundles 	
Selected Publications/Preprints	1. Sanjay Amrutiya, Ayush Jaiswal, “ <i>On d-holomorphic connections</i> ”, arXiv preprint arXiv : 2208.04354; 2022. 2. Sanjay Amrutiya, Ayush Jaiswal, “ <i>A gauge theoretic aspects of parabolic bundles over Klein surfaces</i> ”, arXiv preprint arXiv : 2202.06210; 2022.	
Professional Achievements/Awards/Scholarships	<ul style="list-style-type: none"> Secured 2nd position(merit based) in during B.Sc.(IInd year) 2010–2011 <i>Joint Admission Test for Masters(JAM)</i> organised by <i>Indian Institute of Technology, Delhi(IITD)</i> 2013 <i>Graduate Aptitude Test for Engineering(GATE)</i> organised by <i>Indian Institute of Technology, Kanpur(IITK)</i> 2015 <i>Graduate Aptitude Test for Engineering(GATE)</i> organised by <i>Indian Institute of Science, Bangalore(IISC)</i> 2016 <i>Junior Research Fellow(JRF)</i> organised by <i>Council of Scientific and Industrial Research(CSIR)</i> 2015,2016 	

Workshops/ Conferences attended	<ul style="list-style-type: none"> • <i>Moduli of bundles and related structures</i> at ICTS, Bangalore, India. 10 February–14 February, 2020 • Workshop on <i>Characteristic classes and cobordism</i> at IIT Bombay, Powai, Maharashtra, India. 4 March–15 March, 2019 • AIS(Advanced Instructional School) on <i>Linear Algebraic Groups</i> at IIT Bombay, Powai, Maharashtra, India. 24 June–13 July 2019 • AIC(Advanced Instructional Course) on <i>Commutative Algebra</i> in online mode. 2 January–2 May, 2021 • AIS(Advanced Instructional School) on <i>Basic Algebraic Geometry</i> at IISER Pune, Pune, Maharashtra, India. 25 June–14 July, 2018
Delivered Talks/Poster Presentations	<ol style="list-style-type: none"> 1. On d-holomorphic connections(Talk), <i>Conference on Algebraic Geometry</i>, Harish Chandra Institute, Prayagraj, India. December 12-16, 2022. 2. On d-holomorphic connections(Poster presentation), <i>Vector bundles in Chennai</i>, Department of mathematics, IIT Madras, Chennai, India. February 6-11, 2023.
Teaching Experience	<ul style="list-style-type: none"> • Teaching Fellow for the course MA 101, Mathematics I(Real Analysis and Several Variable Calculus) at IIT Gandhinagar, Gujarat, India Autumn semester, 2017–2018 Instructors: Prof. Surjeet Kour, Prof. Jagmohan Tyagi • Graduate Teaching Fellow for the course MA 102, Mathematics II(Linear Algebra and Differential Equations) at IIT Gandhinagar, Gujarat, India Spring semester, 2018–2019 Instructors: Prof. Sanjaykumar Amrutiya, Prof. Indranath Sengupta • Graduate Teaching Fellow for the course MA 504, Linear Algebra at IIT Gandhinagar, Gujarat, India Autumn semester, 2019–2020 Instructors: Prof. Indranath Sengupta, Prof. V. D. Sharma • 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 Instructor: Prof. V. D. Sharma