

Wasim Niyaz Munshi

7006955811 | imniyaz97@gmail.com | ce21d400@smail.iitm.ac.in |

“Winners are not people who never fail, but people who never quit”. By virtue of my tenacity and hardwork, I want to build a successful career in research and academics, specialising in sub-surface mechanics.

RESEARCH AREA

The broad area of my doctoral thesis is Computational Mechanics. I am working in the field of Finite Element Methods and Fracture Mechanics.

EDUCATION

PhD, Department of Civil Engineering <i>Indian Institute of Technology, Madras</i> CGPA: 9.63 (out of 10)	Aug 2021 – Present <i>Tamil Nadu</i>
B.Tech., Department of Civil Engineering <i>National Institute of Technology, Srinagar</i> CGPA: 8.33 (out of 10)	Aug. 2017 – July 2021 <i>Jammu and Kashmir</i>
Senior Secondary Education <i>M.P.M.L Higher Secondary School</i> Percentage: 89.8	2016 <i>Srinagar, Jammu and Kashmir</i>
Secondary Education <i>Minto Circle High School</i> Percentage: 94.2	2014 <i>Srinagar, Jammu and Kashmir</i>

PROJECTS/INTERNSHIPS

- 1. Implementation of J2 Plasticity using Abaqus material subroutine (UMAT).**
IIT Madras, April 2022 – May 2022
- 2. Developed an FEM code in Python for Plane Elasticity problems.**
IIT Madras, April 2022 – May 2022
- 3. Site specific Slope stability analysis in Baramulla, Kashmir.**
Department of Civil Engineering, NIT Srinagar, Jan. 2021 – May 2021
- 4. Site Internship at S.P. College, Srinagar.**
Department of Roads and Buildings Construction Division 2nd Srinagar, Dec. 2019 – Jan 2020

ACADEMIC SERVICES OFFERED AT IIT MADRAS

- 1. Teaching Assistant for “Workshop on Technical and Scientific Writing”.**
Department of Civil Engineering, 27 Nov 2023 – 1 Dec 2023.
- 2. Teaching Assistant for the course “Computational Geomechanics”.**
Department of Civil Engineering, Aug 2023 – Nov 2023.
- 3. Teaching Assistant for the course “FEM and Constitutive Modelling in Geomechanics”.**
Department of Civil Engineering, Jan 2023 – June 2023.
- 4. Teaching Assistant for the course “Computational Geomechanics”.**
Department of Civil Engineering, July 2022 – Nov 2022.

CONFERENCES AND WORKSHOPS

- 1. ISTAM 2023, 68th Conf. of the Indian Society of Theoretical and Applied Mechanics.**
(An International Conference).
NIT Warangal, India, 07-09 Dec 2023.
- 2. CFRAC 2023, 7th Int. Conf. on Computational Modeling of Fracture.**
Czech Technical University, Prague, Czech Republic, 21-23 June 2023.
- 3. Workshop on Technical and Scientific Writing.**
IIT Madras, May 15-19, 2023.
- 4. Webinar series: Advances in Subsurface Mechanics for Energy and Environment.**
IIT Madras, July – Aug, 2021.

MEMBERSHIP AND ACTIVITIES IN PROFESSIONAL ASSOCIATIONS

- 1. Research Legislator, Department of Civil Engineering.**
IIT Madras, June 2023 onwards.
- 2. Member of Student Legislative Council.**
IIT Madras, June 2023 onwards.
- 3. Member of Standing Committee on Rules and Procedures.**
IIT Madras, June 2023 onwards.
- 4. Executive Research Affairs Secretary.**
IIT Madras, Jan – June, 2023.

SCHOLASTIC ACHIEVEMENTS AND AWARDS

- 1. Prime Minister's Research Fellowship.**
IIT Madras.
- 2. Internationa Immersion Experience (IIE) travel award.**
IIT Madras, July 2023.
- 2. Qualified Direct PhD exam at IIT Madras.**
IIT Madras, July 2021.
- 3. 97.45 percentile in GATE (Civil engineering).**
Conducted by IIT Bombay, Feb 2021.
- 4. Crescent's Achievers' award.**
Crescent Coaching Classes, Dec. 2017.
- 5. 98.4 percentile in JEE Main.**
Conducted by CBSE, April 2017.
- 6. Secured Rank 1 in Chief Minister's Super 50 exam, Kashmir.**
Conducted by Govt. of Jammu and Kashmir, Dec. 2016.
- 7. Awarded Merit Scholarship.**
Kashmir Institute of Excellence, 2015.

TECHNICAL SKILLS

Languages: Python, C Programming.

Softwares: MATLAB, LaTeX, MS Office, REVIT, ParaView, ABAQUS.

Developer Tools: Visual Studio, PyCharm, Eclipse.

Libraries: deal.ii.