



JASNA JAMAL

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ABOUT ME

Highly motivated and dedicated Research Student in Structural and Geotechnical Engineering with Strong structural, civil engineering skills and solid Architectural background, where I can use my skills to the advantage of the institution while having the scope to develop my own skills.

WORK EXPERIENCE

Junior Structural Engineer

(Advance Technologies for all, Rome, Italy),(1/03/2023 - 19/09/2023)

Trainee at ENEA

The Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA), [01/10/2021 – 30/09/2022], Via Anguillarese, Rome, Italy

- Developed HBIM (Historic Building Information Model) to support monitoring and conservation of the UNESCO World Heritage sites in Hamburg" for Arch 7th general assembly meeting.
- Degradation analysis of the speicherstadt warehouse building at Hamburg
- Worked with the ARCH team for studying climate changes and major challenges in cities of Bratislava, Camerino, Hamburg and Valencia and developed tools; that will help cities save cultural heritage from the effects of climate change.

Project Engineer-Freelance-Civil

Y shakh projects and consultancy services [12/06/2015 – 15/03/2019] Kollam, Kerala, India

- Conduct on site investigations and analyze data (maps, reports, tests, drawings and other)
- Execute whole project in a cost and time effective manner, Supervise 18 project employees and Encompass operational, quality, environmental and safety aspects within the design
- Attend meetings and discuss project details with clients, contractors, asset owners, and stakeholders.
- Trained 6 new employees to take over similar projects and aid company expansion.

Assistant Professor (Civil Engineering department)

APJ Abdul Kalam Technological University (Kottayam Institute of Technology and science)

[06/06/2017- 07/04/2019] Kottayam, Kerala, India

- **Subjects Teaching:** Fluid Mechanics, Transportation Engineering, Geomatics, Building Techniques and Management, Surveying Laboratory, Transportation Laboratory, Construction Management.
- Kerala Technical University Exam Cell Coordinator
- Arts coordinator

EDUCATION AND TRAINING

Master degree in Architecture Conservation (110 con lode/110)

Sapienza University, Rome [11/09/2019]

M.Tech in Structural Engineering & Construction Management (CGPA: 8.63/10)

Apj Abdul Kalam Kerala Technological University, India [11/07/2015 – 07/05/2017]

B-Tech in Civil Engineering (CGPA: 7.94/10)

Mahathma Gandhi University, India [12/05/2011 – 11/04/2015]

Higher Secondary Board Exam (CGPA: 9.1/10)

State Board of Higher Secondary Education Kerala, India [05/07/2009 – 08/04/2011]

SSLC Exam (CGPA: 9.9/10)

State Board of Secondary Education Kerala, India [05/06/2008 – 12/04/2009]

RESOURCE PERSON

- Charisma of new era building (Baselious Mathews College of Engineering[08/06/2020])
- A Study On Offshore Jacket Platforms (Cochin Institute of Science and Technology [06/06/2016])
- Design Of Steel Plate Shear Wall (Cochin Institute of Science and Technology [12/03/2016])
- Submerged Floating Tunnel (Musaliyar college of Engineering and technology [06/11/2014])

PROJECTS

- Cost Effective Methodologies and Estimation Of a Building (Malayalapuruzha Grama Panchayat, Pathanamthitta, Kerala Rural Development Government Project)
- Pushover Analysis of Building Frames Using SAP
- A Study on Structural Behaviour Of Bubble Deck Slab Using Spherical And Elliptical Balls
- Historic building information modelling and conservation of speicherstadt warehouse
- Stability analysis and conservation of safdarjung tomb
- Historical evaluation and conservation of Jama Masjid, Delhi
- Rehabilitation and Urban regeneration of pietralata district
- Degradation analysis and conservation of boiler building
- Study on Trivandrum napier museum and new public recreational space development ideas inside the city
- Conservation of Auralian wall segment in Via Guerrieri
- Requalification work on Mercato metronio
- A Study on Strengthening of Bubble Deck Slab with Elliptical Balls

DIGITAL SKILLS

My Digital Skills

Microsoft Office / Microsoft Excel / Microsoft Powerpoint / Auto desk auto CAD 2D / Staad / sketchUP / SAP / Word Publisher / Agisoft Metashape-Photogrammetric Processing of Digital Images / ARCHICAD / LUMiON / Autodesk Rivet / ANZYS / Vray 3D rendering / Adobe Photoshop / ReCap / Sismicad

LANGUAGE SKILLS

English: * * * * *

Italian: * *

CERTIFICATIONS

- Civil Engineer Grade A- 2016 , Department of Urban Affairs Government of Kerala , India
- TECHNO-CHAMP National Level Competition Certificate STAAD, Bridge Design, (Indian Institute of Technology Guwahati)

PUBLICATION - INTERNATIONAL JOURNALS

- A study on structural behavior of bubble deck slab using spherical and elliptical balls, International Research Journal of Engineering and Technology (IRJET), e-ISSN:2395 -0056, Volume: 04 Issue:05| May-2017 (<https://www.irjet.net/archives/V4/i5/IRJET-V4I5557.pdf>)
- A Study on Strengthening of Bubble Deck Slab with Elliptical Balls, International Journal for Scientific Research & Development (IJSRD) Vol. 6, Issue 01, March- 2018 | ISSN (online): 2321-0613 (<http://ijsrd.com/Article.php?manuscript=IJSRDV6I10358>)

REFERENCES

- **Sonia Giovinazzi (Researcher and Project Manager at ENEA Adjunct Professor at Sapienza University of Rome)**
Email: sonia.giovinazzi@enea.it, **Phone:** 00393420117644
- **Alfonso Ippolito (Program coordinator; Department of Architecture Conservation)**
Email: alfonso.ippolito@uniroma1.it, **Phone:** 00390649918840

