

Ranjitha Rajagopal

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Nationality: Indian

Date of Birth: 09th November 1991 (Age: 26)

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CAREER OBJECTIVE

To work in an organization that facilitates the capitalization of my technical skills and expansion of the knowledge through industrial experience, and to contribute to the growth of the organization with my abilities.

ACADEMIC QUALIFICATIONS

Course/ Degree	Period	Specialization	Institution/ University	Result
Master of Science (M.S.)	2013 - 2016	Building Technology	Indian Institute of Technology Madras (IITM)	CGPA- 9
Bachelor of Technology (B.Tech)	2009- 2013	Civil Engineering	Government Engineering College (GEC) Thrissur/ Calicut University	CGPA- 8.4

INDUSTRIAL EXPERIENCE

Structural Designer in **Consolis Strängbetong**, Sweden, since February 2016

- **Structural Analysis engineer** – 2 storeyed office building, 4-storeyed parking garage
- **Structural element design** – Multi-storeyed residence building

Productions Engineer in **Skanska Sverige**, August 2016- January 2017

Industrial training at **Hindustan Prefab Ltd, Cochin, India**

ACADEMIC PROJECTS

M.S. Thesis – Assessment of stress-strain behavior of corroded rebars using Digital Image Correlation (DIC) Technique

B.Tech Project – Design of superstructure of cable stayed bridge over Vembanad Lake, Kerala, India

AREAS OF SPECIALIZATION

- Design and execution of prefabricated structural elements/Structure
- Digital Image Correlation (2D)
- Laboratory tensile testing of rebars and analysis of mechanical behavior

SKILLS

Expert in **Digital Image Correlation Technique (2D-DIC)** for mechanical testing of construction materials and structural health monitoring

Analytical/Computational Skills

- Proficiency in structural design softwares - **Tekla Structures, FEM-design, Matlab, Mathcad, Pre-Stress, Frame Analysis, AutoCAD**
- Working Knowledge in **VIC-2D, Staad, SAP, EPANET**
- Expert in **MS Office**

Language: Fluent in **English**, working proficiency in **Swedish**, fluent in **Hindi**

Driving License: Holder of **Swedish AM/B and Indian driving license**

RECOGNITIONS

- Research work on **“Feasibility of Digital Image Correlation Technique to determine mechanical properties of corroded steel rebars”**, presented in **Concrete 2015** (RILEM Conference - Aug30 to Sept 2) at Melbourne, Australia
- Secured first prize in Video presentation on **“Awareness of Corrosion”** in National Institute of Ocean Technology, Chennai, India (2014)
- Secured first prize in Oral Presentation on **“Challenges associated with design and construction of Kansai International airport, Japan”** at ICI Fest 2013 conducted in IIT madras

REFERENCES

Mr. Anders Johansson, Regional Head (South) and Department Head (Borås), Consolis Strängbetong, Stora Kyrkogatan 4, 503 31 Borås, Sweden, Tel: +46-730378302, Email: anders.johansson@strangbetong.se

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