Ashok kumar Vadalasetty

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Address: KATTEMPUDI, 522124, GUNTUR, India (Home)

ABOUT ME

I am a dedicated Transport modeler with a Master's degree in Transport Systems Engineering from Sapienza University of Rome and 2.5 years of professional experience. I specialize in designing and modeling metro stations and multimodal integration networks using PTV Vissim and PTV Viswalk software. Additionally, I have expertise in planning and developing traffic control plans and traffic management plans using Road Manager software, as well as modeling and analyzing intersections with SIDRA software. my work in transportation modeling, planning, and simulation has been integral to several high-impact transportation projects. I am highly detail-oriented, self-managing, and organized, with a strong aptitude for technical details, problem-solving, and multitasking. I am eager to leverage my skills and experience to contribute to the advancement of the transportation industry.

DIGITAL SKILLS

PTV Vissim | PTV Viswalk | ROAD MANAGER | SIDRA | PTV Visum - (basic knowledge) | Microsoft Office Word Power Point Excel | AutoCAD 2D e 3D

WORK EXPERIENCE

22 MAY 2024 – 22 AUG 2024 ROME, Italy
TRANSPORT MODELER-FREELANCER SAPIENZA UNIVERSITY OF ROME

- As a transport modeler, my role in this project involves developing and analyzing an operational model for the Rapid Transit Bus (BRT) system in the Olympic Valleys (Fiemme and Fassa valleys) for the 2026 Olympics. This will be achieved through micro simulation techniques using PTV Vissim software. My responsibilities include ensuring the model accurately represents real-world conditions, optimizing transit operations, and providing technical support for any issues that arise during the simulation process.

1 JAN 2023 – JAN 2025 NEW SOUTH WALES, Australia
ASSOCIATE TRANSPORT MODELER AND PLANNER-FREELANCER GKEA CONSULTING PTY LTD

- As a Junior Transport Modeler, my primary responsibilities include developing highly detailed models of metro stations and vehicle-pedestrian interaction scenarios. These models are essential for ensuring the safe and efficient movement of both people and vehicles. I utilize a range of specialized transportation modeling software, including PTV Vissim, PTV Viswalk, Sidra, and Road Manager. Through these tools, I create and implement complex transportation models, as well as traffic control and management plans, to optimize the functionality and safety of transport systems.

PROJECTS

30 MAR 2021 – 1 MAY 2022
Analysis of a complex signalized intersection through a traffic microsimulation software. The Real case of Porta Maggiore (Roma)

Porta Maggiore is one of the complex signalized junctions with different modes of transport in the metropolitan city (Rome). Over conjunction is the main issue in this junction, where traffic police are trying to mitigate this issue on every day at peak times. It's at a major crossroad which connects to the university, Policlinico, city centre, Colosseum, and other corridors of Rome. As it is a busy urban corridor in peak hours (morning and evening), the flow of vehicles is high. Considering real-time issues, data is gathered, and the network is designed. In addition to this, based on microscopic car following model and signal timing parameters, the network is simulated, evaluated, analysed, and validated using micro simulation software (PTV VISSIM).

EDUCATION AND TRAINING

24 SEP 2017 – CURRENT Roma, Italy
MASTERS IN TRANSPORTATION SYSTEMS ENGINEERING Sapienza university of Rome

Address Piazzale Aldo Moro,5, 00185, Roma, Italy

20 JUL 2012 – 29 APR 2015 Guntur, India
BACHELOR OF TECHNOLOGY ACHARYA NAGARJUNA UNIVERSITY

Address Nagarjuna Nagar, Andhra Pradesh, 522510, Guntur, India

21 JUN 2009 – 30 MAY 2012 Guntur, India
DIPLOMA IN MECHANICAL ENGINEERING M.B.T.S GOVERNMENT POLYTECHNIC

Address Nallapadu, 522005, Guntur, India

LANGUAGE SKILLS

Mother tongue(s):   **TELUGU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B1	B1	C1
ITALIAN	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

HOBBIES AND INTERESTS

Swimming, Table Tennis, Cricket

FIRMA

V. Ashok kumar