ARAVINDA
DEVARAJ

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☰ SUMMARY

A data analysis and research enthusiast currently working on the challenges to achieving sustainable mobility in Indian cities. Worked on collecting, visualizing and synthesizing data from varied sources and extracting relevant behavioral and policy-sensitive insights using advanced statistical techniques. Exposed to a wide range of contexts from architecture and historical settlement conservation to urban transportation planning. Comfortable with written and verbal communication and public speaking. Easily adaptable to new teams, environments and problem contexts.

⚒ SKILLS

- Discrete Choice Modelling, Regression Analysis (R, Stata, Limdep, SST, GAUSS)
- Spatial mapping, data visualization and presentation (QGIS, Tableau, MS Office Suite, LibreOffice Suite)
- Survey design and administration

- Graphic Design (AutoCAD, Inkscape, Adobe Photoshop, Adobe Illustrator, SketchUp)
- Language proficiency: English, Kannada, Hindi, Tamil
- Verbal and visual communication
- Technical writing

💼 EXPERIENCE

Consultant | World Resources Institute, Bengaluru
FEBRUARY 2021 – PRESENT
- Collection and analysis of qualitative and quantitative data regarding players in urban to rural logistics

Project Officer | Transportation Division, Department of Civil Engineering, Indian Institute of Technology – Madras, Chennai
JULY 2019 – FEBRUARY 2021
- Contributed in the design and development of public transit information and trip planning application for passengers
- Coordinated efforts across teams for collection, management and analysis of transit-related data from multiple sources
- Carried out research and data analysis for project proposals, project updates, report generation and academic publications.

Research Scholar | Transportation Division, Department of Civil Engineering, Indian Institute of Technology – Madras, Chennai
JUNE 2015 – MAY 2019
- Designed paper and web-based survey instruments, carried out on-ground data collection, digitization and cleaning.
- Developed discrete choice models to analyze the data and contribute to the final project report.

Assistant Professor | School of Architecture and Interior Design, SRM University – Kattankulathur, Chennai

AUG 2014 – JUNE 2015

Handled theory, studio and lab courses, and thesis guidance for final year students; provided critical digital support for various activities of the examination cell.

Consultant | EMBARQ India, World Resources Institute, Bengaluru

JAN – SEP 2013 & APR – JUNE 2014

- Collated data from multiple primary and secondary sources, coordinated across stakeholders to formulate suitable regulations for transport and land use management.
- Carried out data collection and documentation of traditional human settlements for the preparation of a preliminary settlement conservation plan.

Research Associate | Centre for Conservation Studies, CEPT University, Ahmedabad

JUNE 2011 – DEC 2012

Part of the team preparing the dossier for the nomination of the Walled City of Ahmadabad for the UNESCO World Heritage City status.

Research Assistant | Centre for Conservation Studies, ASI-CCS Joint project, Badami

NOV 2010 – MAR 2011

Documented the World Heritage Sites: Pattadakal Group of Temples for the Archaeological Survey of India.

🎓 EDUCATION

Master of Science | Indian Institute of Technology – Madras, Chennai

2015 – 2020

CGPA: 8.3 (GATE Rank – 66)

Publications:

Devaraj, A., Srinivasan, K.K., Basheer, S., Awareness, Consideration and Usage Frequency of On-demand Transport Services in the Indian Context. *Transp. in Dev. Econ.* 6, 14 (2020). https://doi.org/10.1007/s40890-020-00105-0

Devaraj, A. et al. (2020) 'Joint Model of Application-Based Ride Hailing Adoption, Intensity of Use, and Intermediate Public Transport Consideration among Workers in Chennai City', *Transportation Research Record*, 2674(4), pp. 152–164. doi: 10.1177/0361198120912237.

Bachelor of Architecture | R.V. School of Architecture, RVCE, Bengaluru

2005 – 2010

Graduated with 71.9%, Pidilite Best Student Award,
Finalist – VisionAir `09 Design contest (BIAL), South Zone winner – Archumen `07 Quiz,
Karnataka CET – State rank 1, AIEEE – All India rank 11.

⋯ INTERESTS

Professional: Integrated Land Use and Transportation Planning, data visualization techniques and tools, behavioral economics and urban planning.

Personal: manual and digital illustrations, Indian classical music (vocal and veena), reading, travelling and photography.