

SAMARTH MEHTA

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OBJECTIVE

Seeking an entry level position as a transportation engineer in the field of transportation planning, traffic engineering and related areas.

EDUCATION

Georgia Institute of technology, Atlanta, GA

Masters of Science – Civil Engineering

Dec 2008

- Area of Concentration – Transportation Systems Engineering
- Relevant Coursework – Urban Transport Planning, Travel Demand Analysis and IT in Infrastructure Management, Traffic Engineering, Transportation Administration, Transportation Statistics, Intro to GIS (fall 2008), Engineering Communications (fall 2008), Construction best Practices (fall 2008).
- GPA: 3.68

University of Mumbai, India

Sardar Patel College of Engineering

Bachelor of Engineering

June 2007

- Percentage: 66.42% (3.7), First class. Top 7% of the class.
- Relevant Coursework – Traffic Planning Engineering, Transportation Engineering I and II, Pavement Construction and Design, Environmental Engineering I and II, Presentation and Communication Techniques.

SKILLS

- ARCGis, AutoCAD, Synchro 6, HCS 2000, SPSS, GDOTLPS (pavement management software), ELM (both nested and multinomial logit models), Microsoft power point, word and excel, and Cube voyager.

EXPERIENCE

Graduate Research Assistant

Aug 07 – Present

Civil and Environmental Engineering, Georgia Tech

- Evaluated Highway System Performance Measures and Standards for Achieving Agency Objectives (Research Advisor: Dr. Adjo Amekudzi)
- Compared highway systems of major metropolitan areas for sustainability using Multi Criteria Decision Making and Ecological Footprint tools.
- Compared MARTA and WMATA heavy rail systems for Sustainability.

Larsen and Toubro- ECC division, Chennai, India

Project Trainee

July 2005

- Worked on project: “Structural systems of Tall Buildings” funded by L&T ECC.
- Presented reports on effectiveness of different structural systems for various case studies

PROJECTS

Comparison of Highway Capacity Manual 2000 intersection delays using Synchro 6 and HCS 2000.

Jan - May 2008

- Compared lane and intersection delay results which shed light to interesting patterns.

Evaluation of Portland Travel Demand Model

- Evaluated the Portland Travel Demand Model including economic and land use characteristics of the travel demand model

Aug – Dec 07

Forecasting Pavement Segment Ratings

- Forecasted deterioration in pavement conditions and then performing need analysis in terms of costs using GDOTLPS (a pavement management software)

Aug – Dec 07

Public Private Partnerships

- Examined case studies of PPPs and generated possible opportunities for Atlanta for public private partnerships

Aug – Dec 07

Assessment of Transportation Infrastructure for New Bombay

- Detailed assessment of the transportation infrastructure in New Bombay.
- Instrumental in developing preliminary suggestions for improvements to be made to the infrastructure.
- Served as group leader and resolved challenging situations organizing field trips.

June 06 – July 07

Surveying of Vihar Lake

- Utilized Block contouring, Profile Leveling and Radial Tachaeometry.

ACTIVITIES

- Member of Institute of Transportation Engineers – Georgia Tech Student Chapter
- Member of Association of Transportation Professionals of Indian Origin (ATPIO)
- Head of Administrations in “NIRMITI 2006”, a technical event with over 500 participants
- Head of Operations in “NIRMAAN 2005” as part of core organizing committee, raised \$6000 and managed a workforce of 600 people under adverse conditions
- Member of Civil Engineering Association, SPCE for the sessions 2003-04, 2004-05 and 2005-06
- Mirror Ambassador for SPCE-Mumbai Mirror (The Times of India Group) liaison in 2005-06
- Captain of college (SPCE) cricket team in 2006-2007, Member of Team Atlanta and Captain of Georgia Tech Cricket Club.

ACHIEVEMENTS

- SHRI MARATHE MEMORIAL AWARD (February 2006)
- Gold Medal in TECHNICAL DEBATE at National Level Technical Symposium “NIRMITI 2006”
- Second prize in TECHNICAL DEBATE in “NIRMAAN 2006”
- Third rank in first year of civil engineering, 2004
- First prize in Model United Nation in “Techno-break 2006”

CONFERENCES

- NIRMITI 2005, 2006 and 2007 (SPCE)
- 87th TRB conference (January 2008)