

ASHISH GUPTA

Email: ashishg@mit.edu

77 Massachusetts Ave., NE20-208, Cambridge, MA 02139, USA • Phone: (617) 252-1111 (Off), (617) 225-9125 (Res)

Objective:

To gain good internship experience in work related with Intelligent Transport System and its applications, travel demand modeling, traffic simulation and application of operations research and logistics.

Education:

- **Massachusetts Institute of Technology**, Cambridge, MA, USA. (Sept. 2003 – present)
Master of Science in Transportation, expected graduation May 2005.
- **Indian Institute of Technology**, Madras, India. (August 1999 – May 2003)
Bachelor of Technology in Civil Engineering. GPA: 9.34/10.00

Experience / Projects:

- **Research Assistance**, MIT ITS Program, Cambridge, MA, USA. Sept. 2003 – present.
Focus on ITS project DynaMIT, a deployable real-time traffic prediction and guidance software supporting ATIS and ATMS. Current responsibilities include network modeling, traffic simulation, data analysis, calibration and validation of parameters.
- **Intern**, Shah Technical Consultancy, Chennai, India. Summer 2002.
Design and analysis of water distribution network, wastewater collection network and treatment plan, field survey, data collection, report preparation.
- **B.Tech. Project**, Complete structural analysis and design of a multisorey building under combined influence of wind and earthquake loading.

Relevant Coursework:

Transportation Engineering: Transportation I and II (introductory courses), Urban Transportation Planning, Flow Systems, Transportation Systems, Carrier Systems, Transportation Policy • **Optimization:** Introduction and advanced Operations Research (covering LP, IP, network, inventory problems), Computer Simulation (using GPSS), Queuing Theory • **Statistics and Economics:** Advanced Economics, Transportation Demand and Economics, Demand Modeling • **Computing:** Computer Application in Civil Engineering.

Academic Honors and Awards:

Larson & Toubro Gold medal for best academic performance in Civil Engineering in undergraduate. • Institute merit prizes for achieving first position in batch throughout all undergraduate semesters. • Stood in top 1% of the All India Joint Entrance Examination for entrance into Indian Institute of Technology.

Computer Skills:

Programming: Pascal, C, C++, HTML • **Platforms:** Windows, Linux, Unix • **Tools:** MS Office, AutoCAD, SAP2000, MATLAB, Visio, TransCAD.

Extra-Curricular Activities:

Organizer of CEA Fest at IIT Madras. • Member of National Service Scheme. • Coordinator for hospitality at *Saarang*, cultural festival at IIT Madras. • Interests in swimming, cricket.