
Milind Mantravadi

B. Arch; M. Tech (I T in Building Science)
International Institute of Information Tech,
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PROF I LE:

Milind is an Architect and has done his masters in I T in Building Science from I I I T, Hyderabad. His specialization in M. Tech. Program is Building Automation and Services. He has done his final semester project in M.Tech. program with TATA-Honeywell, Pune, Building Automation and Controls Division.

Milind has worked with M/s. Sundaram Consultants Pvt. Ltd., Bangalore. Responsibilities handled were the Requirement Analysis and Conceptual Design, Planning, Visualization and Animation using 3D Tools, Multimedia Presentations, Working Drawings, coordinating with other Teams. Some of the major projects handled are Infosys Software Technology Park, Hyderabad (800000 sq ft of Built-up area) and Microland's mega project Planetasia.com Software Technology Park in Bangalore. Values of projects are US\$ 36 Million and US\$ 26 Million respectively. He has also worked as a Trainee Architect and Jr. Architect with Architect Ashley Mascarenhas & Assoc. Goa on various projects including civil design of factories and religious buildings and civil and interior designs for residential buildings.

OBJECTIVE:

Career position in Building Automation and its applications related field that will utilize and develop existing skills and experience in Design of Buildings, in addition should offer advancement in the area of I T applications.

PROFESSIONAL EXPERIENCE:

M/s Sundaram Consultants Pvt. Ltd., B'lore Architect Aug 00 –Jan 01

Responsibilities: Requirement Analysis and Conceptual Design, Planning, Visualization and Animation using 3D Tools, Multimedia Presentations, Working Drawings, coordinating with other Teams

Projects Worked On:

Planning and Designing with Multimedia presentations for **Infosys Software Technologies Ltd**, for Infosys Software Technology Park, Hyderabad (India), 800000 sq ft of Built-up + Landscaping + Infrastructure + modern services. Included in this Built-up is a Umbrella Shaped Shell Structure, 7 Software Development Blocks with capacity of 600 employees each, Services Block, Admin cum Main Block, Recreation Center, Guest Houses and Out-Door Play area. Cost of Project : \$ 36 Million.

Involved in Conceptual planning, designing, working drawings, details and Conceptual Interiors for Software Tech Park for **Planetasia.com**, Bangalore(India). Incl. 2 software Blocks, Canteen Block, Educational Block, Recreation Block, Experience corridor, Landscaping + Infrastructure +modern services.

Cost of Project : \$ 26 Million.

Involved in Site Planning (phase III) of software Tech Park for Infosys Technologies Ltd, Bangalore.

Cost of Project : \$ 76 Million

Arch. Ashley Mascarenhas & Assoc., Goa Trainee Architect
Junior Architect

Dec 99 - Apr 00
Apr 00 - July 00

Projects Worked On:

Involved in the development of Working Drawings of a Factory project, **Metastrips Copper Plant**, Verna. Cost of Project : \$ 53 Million

Interiors for a couple of projects ranging from residences to Holiday homes.

EDUCATION

M.Tech. (IT in Building Science)

Major: Building Automation and Services.

International Institute of Information Technology,
Hyderabad

CGPA
7.6 / 10 (current)

Dec 2002

Courses

Building Automation and Intelligent Buildings
Functional efficiency and Services
Applications of Artificial Intelligence in Buildings
Distributed Database Management System
A. I. Techniques in Construction Management

Database Management Systems
Data Structures & Algorithms using C
Computer Graphics
Object Oriented Programming language
3D visualization and Modeling

Projects:

1. Integrated Building Design Development of Architectural Design, 3D walk-thru, Lighting, Fire simulations, Heat load calculations, Structural solutions for the upcoming "Food court" building of Infosys Software Tech. Park, Hyderabad. (Software : AutoCAD, 3-D Studio Max, Radiance, Lumen Micro, Energy plus, etc.)
2. Application of Kinetic (movable) elements in Building Design.
3. Fuzzy Logic based Water Level Controller to maintain level of water in overhead tank. (User Interface in Visual Basic, Back hand in C++ and Assembly Language, Fuzzy logic using MATLAB Fuzzy logic toolbox)
4. Intelligent Controller for Elevator, improving its performance by using A. I. Technique (Fuzzy Logic), here an attempt is been made to optimize the average waiting time and the energy losses that is the total distance traveled in comparison to an conventional elevator.
5. Automated Visitor-count A real-time people monitoring system was developed that counts the number of people passing through door-ways or passage ways (In and Out) and combines these counts to provide a measure of building occupancy at any given time.

Final Semester Project :

Presently undergoing project internship with **TATA- Honeywell**, Pune (Building Automation and Controls division). Project involves Development of web-based interface for EBI 200.1 server (Honeywell proprietary software). The Idea is to build a real time virtual station, which would monitor the BMS systems installed and maintained over a wide area by the TATA-Honeywells.

B. Arch

Goa College of Architecture, Goa

Thesis Score 70%
B. Arch 62%

Year 2000

1. High- Tech futuristic solution for the Cashew Nut factory project in-order to counter the problem of scarcity of available space at the same time fit all the required processes
2. An automated roof for the project " Meditation space" in-order to achieve a comfortable environment inside. Sensors on the shell of the structure activate the movable roof.
3. Thesis Project "Institute for Mountaineering and Allied Sports" where nature, man and function of the project were integrated in an excellent suiting manner. This project was nominated for the much prestigious Charles Correa award 2000 instituted by world renowned Architect Charles Correa

SKILL SETS:

Languages C, C++, Java-2, Visual Basic, Perl, OpenGL, My-Sql, VRML
Operating System Windows 2000 professional, Win-XP, Linux 7.0
Packages AutoCAD 2000, 3d max studio, Adobe Photoshop, Flash 5, Power DOE, Energy Plus, Gen-opt, Radiance (Lighting Simulation), Lumen micro 2000, Fire Dynamic Simulation, Simulink (Matlab toolkit), Neural Network Toolkit (Matlab),
Databases MySQL, Microsoft SQL Server, Jdbc

Proficiency in AutoCAD, Architectural Desktop, Radiance, Have worked on AutoCAD for over 5 years.

ACHEIVEMENTS:

Thesis Project "Institute for Mountaineering and Allied Sports" was nominated for the much prestigious **Charles Correa award 2000** instituted by world renowned Architect Charles Correa

Received citation as part of a design team for the *Architect Nari Gandhi Trophy '1997* at NASA'97

PERSONAL:

- Started the IIIT Canteen Committee
- Fast learner
- Inclination in the field of CAD and Multimedia.
- Hobbies involve Reading, Touring, Photography

Name: Milind Mantravadi

Date of Birth: 16 April 1978

Sex: Male

Marital Status: Single

Present Address:

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REFERENCE:

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Architect K. P. Nagaraj

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Milind Mantravadi

21st Nov 2002