



SAKSHI GOEL



ACADEMIC DETAILS

Year	Degree / Exam	Institute	GPA/Marks(%)
----	M.Tech in Computer Science & Engineering	Indian Institute of Technology Delhi	9.231
2010	CBSE	GMSSS Sector 35-D, Chandigarh	93%
2008	CBSE	Vidya Devi Jindal School, Haryana	91%

DEGREES PRIOR TO IIT

University	Examination	GPA / Marks(%)
UIET, Panjab University (2010-2014)	Bachelor of Engineering (CSE)	9.05 /10

COURSES DONE

Minor Project , Advanced Data Structures , Arch. Of High Perf. Computers , Intro. To Logic & Funct. Prog. , Machine Learning , Software Systems Laboratory , Computer Networks .

INDUSTRIAL TRAINING

STI-License Manager Application, Space-Time Insight (Jan, 2014 - May, 2014)

Description - Developed a license manager application which automated the process of issuing, emailing, searching and downloading licenses in Java.

IIT DELHI THESIS

Title - Energy Efficient Scheduling of Tasks in an IoT Network

Supervisor - Dr. Smruti Ranjan Sarangi

Description - Aims to design an energy efficient algorithm to schedule soft real-time tasks in a basic IoT network of multicore processors such that tasks execute by consuming minimum energy throughout the network.

SCHOLASTIC ACHIEVEMENTS

- **Department Rank** : Ranked **2nd** by CGPA (in first year) in **M.Tech CSE (2015-2016)**
- **GATE (CSE)** : Secured **AIR 80 (2015)**
- **Academic Excellence award** : for excellent performance in **AISSCE** by **Chandigarh Administration** (2010)

PROJECTS

- **Multiplayer game - Soccer** (Oct, 2015 - Nov, 2015) : Developed Soccer game using OpenGL which could be played in both single and multiplayer mode, using the concepts of AI in single player mode
- **PASTRY DHT** (Sept, 2015 - Oct, 2015) : Implemented pastry algorithm for distributed hash table in C++
- **ARM V8 Timing/Energy Simulator** (Aug, 2015 - Sept, 2015) : Implemented a 5-stage inorder pipeline based on ARM V8 instruction set along with a debugger in python
- **Digit Recogniser** (Feb, 2016 - Mar, 2016) : Developed an artificial neural network for recognizing handwritten digits which was trained and tested using MNIST dataset
- **RNUCA** (Apr, 2016 - May, 2016) : Implemented Static and Dynamic RNUCA on Tejas Simulator
- **Database Query Processor** (Feb, 2016 - Mar, 2016) : Implemented a query processor in C++ which receives query like SELECT, INSERT, MODIFY, JOIN, generates an execution plan, processes it and returns the result
- **Load Store Predictor** (Mar, 2016 - Apr, 2016) : Implemented the load store dependence prediction scheme with and without Replay for the Out of Order processor pipeline in the Tejas architectural simulator
- **Article Classification** (Apr, 2016 - May, 2016) : Used Naive Bayes to classify a set of articles into groups
- **Feature Match Detection** (Apr, 2016 - May, 2016) : Used neural network coded in python to classify whether the two given images represented as 73-valued feature sets are of same person or not
- **Internet Advertisement Classification** (Mar, 2016 - Apr, 2016) : Used support vector machine classifier to classify a possible advertisement in the dataset taken from UCI website into the categories ad and non-ad
- **Titanic Survivor** (Apr, 2016 - May, 2016) : Decision Tree classifier to predict the survival of passengers

TECHNICAL SKILLS

- **Languages** : C,C++ , Java, Python, SQL, Ocaml (beginner), PHP (beginner), Prolog (beginner).
- **Tools** : OpenGL, MATLAB, LaTeX.

EXTRA CURRICULAR ACTIVITIES

- **Member, SAEINDIA** : Organized SAEINDIA EFFI-CYCLE held at Panjab University (October, 2010)
- **National Level Swimming** : Stood 1st in CBSE North Zone 100m freestyle and participated in Nationals (2007).