

Covering Letter

Date: 3/28/2013

To,  
Daniel Greer  
Area Director for Greek Circle, Racquet Club, and University Commons  
Center for Residence Life  
Rochester Institute of Technology

Subject: Graduate Assistantship application for fall 2013.

Dear Sir,

I wish to apply for graduate assistantship at your university starting fall 2013. My resume is enclosed for your review. Given my related experience and excellent capabilities I would appreciate your consideration for this job.

I appreciate your taking the time to review my credentials and experience. Again, thank you for your consideration.

Thanking you,

Kind Regards,

Pratik RajendraPrasad Kasat

## PERSONAL INFORMATION

<b>Name</b>	Pratik Rajendra Kasat
<b>Address</b>	B-1/401, Manek C.H.S, C.S Road, Dahisar–East. Mumbai-400068.
<b>Contact no.</b>	91-9821379917
<b>Email address</b>	Pratik.kasat@outlook.com
<b>Date of Birth</b>	30th November, 1991.

## OBJECTIVE

Seeking an opportunity to learn, excel and contribute my best as an individual and as a team player.

## EDUCATIONAL BACKGROUND

<b>Name of Examination</b>	<b>School/College</b>	<b>Board/University</b>	<b>Year</b>	<b>Marks Obtained</b>
Secondary School Certificate Examination(S.S.C.)	St. Lawrence High School, Mumbai-50	Maharashta State Board	March 2007	566/650 87.07%
Diploma in Computer Engineering (CMPN)	Thakur Polytechnic, Kandivli-East, Mumbai-400101 (www.tpolymumbai.in/)	Maharashta State Board of Technical Education.	July 2010	1304/1450 89.93%

## PERFORMANCE IN PREVIOUS SEMESTERS OF DIPLOMA

<b>Semester</b>	<b>Year</b>	<b>Marks Obtained</b>	<b>Percentage (%)</b>	<b>Grade/Class</b>
First	December 2007	633 / 725	87.31	Distinction
Second	May 2008	686 / 850	80.70	Distinction
Third	December 2008	559 / 650	86.00	Distinction
Fourth	May 2009	687/ 825	83.27	Distinction
Fifth	December 2009	620 / 725	85.51	Distinction
Sixth	May 2010	684 / 725	94.34	Distinction

## CURRENT COURSE DETAILS

Name Of Institute	St. Francis Institute of Technology, Borivali(W), Mumbai-400103 (www.sfitengg.org)
Board/University	Mumbai University
Course	Bachelor of Engineering in Computer Engineering ( <b>BECMPN</b> )
Year of Current Study	Fourth Year (VII Semester)
Expected Year Of Graduation	2013

**PERFORMANCE IN PREVIOUS SEMESTERS OF DEGREE**

Semester	Year	Marks Obtained	Percentage (%)	Grade/Class
Third	December	596/ 850	70.11	Distinction
Fourth	May 2011	544 / 850	64.00	First Class
Fifth	December	588 / 850	69.17	First Class
Sixth	May 2012	650/ 850	76.47	Distinction
Seventh	December	Expected in Jan 2013	Expected in Jan 2013	Expected in Jan 2013
Eighth	May 2013	Expected in July 2013	Expected in July 2013	Expected in July 2013

Overall for 4 semesters: **2378 / 3400** Percentage: **69.94 %** Grade: **Distinction**

Elective Subject Selected For 7th Semester (2012): **Electronic Commerce (EC)**

**GRE SCORE**

Verbal	Quantitative	Analytical Writing	Total	Date
150	159	3.5	309	20/8/2012

**TOEFL SCORE**

Reading	Listening	Speaking	Writing	Total	Date
24	20	23	22	89	13/10/2012

## ACADEMIC AWARDS, SCHOLARSHIPS AND ACHIEVEMENTS

- Eligible for **The J R D Tata Trust Scholarship** for academic excellence in the **final year of Diploma in Computer Engineering**. This trust is formed by Sir Jamshedji Tata, a billionaire pioneer of Engineering Industry in India.(2010).  
(<http://www.dorabjitatatrust.org/> )
- Secured the **Second highest score** in **Object Oriented Software Engineering (75/100)** and **distinction** in **Advanced Computer Network (71/100), Advanced Microprocessor(71/100) and Data Warehousing and Mining (73/100)** in the **Sixth semester** of Bachelor of Engineering in Computer Engineering at St. Francis Institute of Technology, Mumbai. (2012).
- Secured the **Second highest score** in **Web Engineering (65/100)** and **distinction** in **Theory of Computer Science (76/100)** in the fifth semester of Bachelor of Engineering in Computer Engineering at St. Francis Institute of Technology, Mumbai. (2011).
- Secured **Distinction** in **Database Management System (70/100)** in the fourth semester of Bachelor of Engineering in Computer Engineering in St. Francis Institute of Technology, Mumbai. (2011).
- Secured **Distinction** in courses **Applied Mathematics (82/100), Computer Organization and Architecture (76/100)** and was among the **highest scorers** for these subjects in Third semester of Bachelor of Engineering in Computer Engineering at St. Francis Institute of Technology, Mumbai.(2010) .
- Achieved a **Distinction in the third and sixth semester** of degree in computer engineering course and a **first class in rest of the semesters**.
- Obtained **distinction in all six semesters** of diploma in Computer Engineering.
- Achieved **100/100 marks in Basic Mathematics** of the first semester of diploma in Computer Engineering.
- Obtained **143/150 in Mathematics, 95/100 in Science and 96/100 in Social Science** in **Class X, S.S.C Board Examination**.

## TECHNICAL PAPERS AND ARTICLES

- Published a paper titled **“Box-Office Opening Prediction of Movies based on Hype Analysis through Data Mining”** in the **International Journal of Computer Applications (IJCA)**. The paper describes a novel approach to predict the success of movies at Box-Office by taking into account, the unique ratio of the number of users to the number of tweets by them on the Website “Twitter”. Along with this, the follower count is also analyzed for accurate prediction based on Hype analysis through Data mining.(2012)  
(<http://www.ijcaonline.org/archives/volume56/number1/8852-2794>).

## COMPUTER SKILLS

- **Programming Languages** : C , C++, Java, Visual Basic.net.
- **Scripting Language** : JavaScript, SQL.
- **Database Technologies** : Oracle Database, Microsoft Access.
- **Web Technologies** : HTML, XML, CSS, Servlet, PHP
- **Operating Systems** : Windows 7/ Vista/XP/2000/98, Ubuntu.
- **Softwares** : Netbeans IDE, Eclipse, Adobe DreamWeaver, OpenOffice.org, MS Office, Visual Studio.

## PROJECTS

- **LOCATION BASED PROFILE MANAGER:**

It is an **android application** that uses Global Positioning System (GPS) to find location of the user and assigns a profile . Using GPS, the application keeps a track and changes your profile when you enter or exit the saved locations. For Example: Suppose a person visits a mall and changes his profile to silent, his activity and location will be tracked and when he again visits the same mall his phone will automatically be turned to the silent mode. This application can be of great use when a user wants to ensure his phone is always in Silent/vibrate mode at work place. It is being developed as the **final year B.E project** by a group of 3 members. For developing this project, **Android Software Development Toolkit** is being used (2010).

- **ENCRYPTED CHAT APPLICATION:**

It is a desktop application that provides **secure communication** between two computers on the same network. The application uses **ceaser-cipher algorithm** for **encryption and decryption of the messages**. The front end is designed in **Swing component** of Java that provides an interactive GUI to the users. The project was developed as a part of the course “**Object Oriented Software Engineering**” in sem 6 by a group of 3 members (2012).

- **BOMBAY PEDIA WEBSITE:**

It is a website designed in **PHP** that provides information about **Restaurants, Police Stations and Hospitals** located in Mumbai along with their full name, address and contact no. The Project was developed as a part of the course “**Web Engineering**” in sem 5 by a group of 3 members (2011).

- **TELECOM COMPANY DATABASE:**

The project aimed at creating a simple database to **store, create and update** information about the clients of a particular **Telecom Company**. The Project was implemented using **Visual Studio 2010**, the front end was done in **VB.net** and backend in **Oracle Database** . The Project was developed as a part of the course “**Advanced Database Management System**” in sem 5 by a group of 3 members (2010).

- **LOCATION BASED INFORMATION SYSTEM:**

The project provides three types of information such as **Food, Emergency and Educational** information along with an additional feature called Friend Finder to find the friends who are using the same application within the same area. Based on a location it gives different types of information to the user, For instance, the restaurants with their name and addresses located in the nearby area where the user initiates a query. It is a Mobile application that fetches the current location of the user using Global System for Mobile Communication (GSM) and send appropriate queries to web server. The web server returns the results of the query based on location and requested information. It was a **final year** project of **Diploma in Computer Engineering** course. The project earned several accolades both at **National and International Project Competitions**. The best of them was **winning the consolation prize at the International Project Competition cum Exhibition**. The Exhibition was held at **Thakur Polytechnic** in the event **“Technofest 2010 & ICWET 2010”**, sponsored by **MSBTE, IEEE, CDAC, ACM** and others (2010).

#### **SEMINARS AND WORKSHOPS ATTENDED**

- Attended **“Annual Robotics Workshop”** conducted by the college committee held in the college campus. It provided hands on experience of creating a **Basic level-1 Robot**. A basic level-1 robot was created by a group of 3 members.(2010)
- Attended **“Linux Workshop”** conducted by **Computer Society of India**. The workshop provided basic idea about the operations and features of the **Linux Operating System**. I learned to perform some basic operations on the Linux Operating System. The workshop was conducted at the **Thadomal Shahani Engineering College, Mumbai**.(2010)
- Attended a workshop on **“Windows phone 7”** held in the college campus. The workshop introduced us to the new features of the windows phone 7. In addition to this, it provided hands-on experience of coding in **Visual Studio 2010** by allowing us to code a **mini game for the Windows phone 7 Operating System**.(2011)
- Attended a seminar on **“Cloud Computing”** conducted by **MSP. Abhay Parekh** at the **Thakur Polytechnic**. The seminar discussed about the features of the “Cloud Computing” introduced by the **Microsoft Corporation**. Also, the advantages and future scope of the technology were discussed briefly.(2009)

## SEMINARS DELIVERED

- Delivered a seminar on “**Types of Disclosures**” to final year Computer Engineering Students. It explained different ways of revealing sensitive information in the System Security. It was done as a part of assignment in the **System Security** course in sem 7.(2012)
- Delivered a seminar on “**Location Based Profile Manager**” to final year Computer Engineering class in the presence of several professors. It was an introduction to the basic features and functionalities of the project. The seminar was delivered as the part of the final year engineering project **selection process** (2012).
- Delivered a seminar on “**Vcode- Pervasive Data Transfer Using Video Barcode**” proposed by **Xu Liu,David Doermann and Huiping Li in IEEE transaction on Multimedia**. A novel approach to transfer data to mobile phones using visual data communication was explained. Also, the practical applications and advantages of proposed technique were discussed briefly. **A mini-implementation of the algorithm** proposed was also presented. This was done as a part of the **Seminar** course in sem 6(2011).
- Delivered a seminar on “**Open Model Sphere**” to the third year Computer Engineering class. It introduced and explained the basic functionalities of this powerful UML modeling tool. Also, the features of the tool were described briefly. The seminar was delivered as the part of assignment in the course **Advanced Database Management System** in sem 5(2011).
- Delivered a seminar on “**Types of Attacks and Security Measures**” to the Second year Computer Engineering class. It explained the different types of attacks that occur on computer and their security measures. This was done as the part of **Presentation and Communication techniques** course in sem 3(2010).
- Delivered a seminar on “**Location Based Information System**” to the final year diploma in Computer Engineering class in the presence of several professors. It introduced and explained the detailed working as well as functionalities of the project. Also, a demo of the project was shown as the part of presentation. This was done as the part of the **final year diploma in Computer Engineering** project (2010).
- Delivered a seminar on “**Batch Virus Programming**” to final year diploma in Computer Engineering class. It introduced the concept of Batch Viruses and explained the procedure for creating a Batch-Virus program. This was done as the part of **Operating Systems** course in sem 5 of Diploma in Computer Engineering.(2009)

## ACHIEVEMENTS AND PARTICIPATION IN EXTRA CURRICULAR ACTIVITIES

- Participated in the **Sweden-India Nobel Memorial Quiz 2012** held at Indian **Institute of Technology (IIT)**, Bombay. It was conducted by **Embassy of Sweden** and sponsored by **Volvo, SAAB, Sandvik, Ericsson** and others.
- Participated in the **Box-Cricket Competition** held in college during the year 2010.
- Participated in the **Windows Phone 7 contest** and published one application at the **Windows Phone Marketplace** (2011).The application titled "**Tech-Expert**" is published on Windows Phone Marketplace.  
(<http://www.windowsphone.com/en-us/store/app/tech-expert/482a3640-64d8-4689-88dd-ee2832bf6090>)
- Secured **Qualifying position** for the final year diploma **project titled "Location Based Information System"** in the "**Impulse 2010**" Project Exhibition held at Pillai's Institute of Information Technology, sponsored by **IEEE**.
- Participated in the **National Level Project Exhibition"MP-pro EX 2010"** held at Manohar Phalke Polytechnic,Sion for the final year diploma project titled "**Location Based Information System**". The event was sponsored by **Maharashtra State Board of Technical Education(MSBTE)**.
- Participated in the **First Nationwide Biotechnology Olympiad** held at St. Lawrence High School in **Class X** (2006).
- Secured **A grade** in **State Level Handwriting** contest organized by the **National Institute Akhil Bhartiya Nagrik Vikas Kendra**, Aurangabad.(2004)

## SOCIAL SERVICE AND VOLUNTARY WORK

- Participated in the **Fund Raising activity** to help needy people through the NGO of **Helpage India** at the school level (2003, 2004).
- **Donated blood** in the Red Cross Society of India, Mumbai, Federation of Bombay Blood Banks (2012).

## MEMBERSHIP OF SOCIETIES

- Member of the **Computer Society of India (CSI)** which is a professional organization focused on advancements in Computer Technology. (2010-2012)