PENUMALA VENKATA GAUTHAM 6000 REYNOLDS DRIVE APT # 432 RIVERKNOLL ROCHESTER, NY 14623 PHONE # 5857555115

Respected sir/madam,

I am P.V.GAUTHAM pursuing my masters in Electrical Engineering at Rochester Institute of Technology. Please accept my enclosed resume as an indication of my interest in working as a graduate assistant as a part of my on campus job at Rochester Institute of Technology.

I have a sincere interest in graduate assistantship since it would add a lot of weight to my future endeavours and would appreciate the opportunity to work with RIT. I have been a student worker in Gracies for the past three quarters. I have been in a strong academic standing and I have good technical, software and communications skills and the details are mentioned in my resume

It would be a great opportunity and experience for me to be a part of your business and I am available at your convenience for an interview. Thank you for your time and consideration and I am really looking forward to meet you.

Sincerely

P.V.GAUTHAM

**Gautham Penumala**

**Masters: -** Rochester institute of technology (on going)

**Major: -** Electrical engineering, (Controls major) **B.Tech** :- Indian Institute of Information Technology , Kancheepuram

**Major**: - Electronics Engineering, Design and manufacture

E-mail:- [gauthampenumal@gmail.com](mailto:gauthampenumal@gmail.com)

Phone: - 5857555115

**Present Address:**  6000 Reynolds Drive #1056, Riverknoll, Apt# 432,

Rochester 14623, NY.

**OBJECTIVE**

* To obtain Graduate assistantship position that is challenging and will be helpful in my future prospectus.

**EXPERIENCE**

* Student worker at Gracies ( September 2011 – till date)

**BASIC ACADEMIC CREDENTIALS**

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| --- | --- | --- | --- |
| **Qualification** | **Board/University** | **Year** | **Grade** |
| Masters (Electrical Engineering) | Rochester institute of technology | 2012-present | 3.33/4 |
| B.Tech (Electronics engineering) | IIIT, Kancheepuram | 2008-2012 | 7.16/10 |
| Intermediate | Narayana Junior college | 2006-2008 | 90.6% |
| High School | Kotak salesian school | 2006 | 84.33% |

**COURSE WORK**

Systems Modeling\* ,Optimal Control\* , Modern Control Theory, Multivariable Modeling, Principles of Robotics, Fuzzy Logic and Controls, Control Engineering , Electronic Instrumentation and Measurements, Power Electronics and Industrial Drives, Electromechanical Energy Conversion, Basic Electrical and Electronics Engineering, Engineering Drawing, Electronic Manufacture and Packaging Techniques, Statics and Strength of Materials, Product Design and Development. (\* indicates ongoing courses)

**INDUSTRIAL TRAINING**

* GENERAL MOTORS, St.Catharines power Plant, CANADA (21st MAY 2011 – 1st JULY 2011)
* Extensive industrial training in one of the programmable logic control languages – versa pro
* Successfully programmed the logic for one of the Fanuc pick and place robots at the engine manufacturing plant.
* Visakhapatnam Steel Plant, VISAKHAPATNAM (14 th June 2010 – 21 st JULY 2011))
* Trained in medium merchant and structural mill department
* Worked on the function and use of PLC’s

**PROJECTS**

* Obstacle avoidance using a hexapod
* Ping sonars were interfaced to the hexapod, and hexapod was programmed to perform special kind of obstacle avoidance using micro basic software
* Undergraduate final year project – MEMS switch design
* Design of MEMS based switch which is more advantageous over existing technology
* Integrated multiple bands with increased battery life
* Reduction in size of the switch and power consumption
* Burglar alarm system using IR sensors
* Interfaced IR Sensors to the system, implemented the Receiver and Transmitter Circuits and programmed the Microcontroller to control the whole system
* Over view of course related major project works
* Used MATLAB software to implement the ERA algorithm, FORSE algorithm, LQR observer/controller design, state feedback pole placement and gain design ,computed auto/ cross co-relations, power spectral densities, multi coherences, frequency responses, root loci, characteristic loci, determined stability, detectability, controllability, observablity etc. for various systems.

**SOFTWARE SKILLS**

* Programming Languages
* C language, MATLAB, VERSA PRO, Micro Basic
* Simulation Software’s
* MULTISIM , Lab View, CADENCE, AUTOCAD, SIMULINK, Intelli Suite ,SimProject
* Operating systems
* Windows XP, Windows Vista, LINUX
* MS Office

**POSITIONS OF RESPONSIBILITY, CO-CIRCULAR ACTIVITIES, AWARDS**

* Vice- Captain of IIITDM cricket team for the term 2009-2010
* House captain in school for the term 2005-2006
* Volley ball Hostel team captain for the term 2009-2010
* Member of school volleyball and cricket teams for the term 2008-2010
* Member of IIITDM college volleyball and cricket teams for the term 2009-2011
* Member of national sports organization in volleyball for the term 2008-2009
* Awarded the “best bowler of the tournament” in a district level inter school tournament conducted by YMCA
* Represented IIT Madras volleyball team in Sports fest (the annual inter-collegiate sports festival of IIT Madras) in 2009 and 2010 during which won the **bronze medal** in 2009 and **fourth place** in 2010.