VIKRAM KADAM

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Education

Degree/Certificate	Institute/School, City	Graduation	Achievements
BTech (Hons.) in Mechanical Engineering	IIT, Kharagpur	2011*	• GPA 7.82/10 • JEE AIR: 829
Class XII, Maharashtra State Board	Shivaji Science College, Nagpur	2007	• 91.6%
Class X, Maharashtra State Board	S.F.L. Highschool, Amaravati	2005	• 93.2%
Chartered Financial Analyst, level 1 candidate			

Work Experience

MIRC Electronics India Ltd (Onida), Mumbai
Green Air conditioning, Research and Development

Internship
May to June, 2010

- Developed a prototype of a window AC (1.5 Tr) which uses desiccant regenerative technology.
- Was successful in improving the star rating of AC from **2 to 4**, given by Indian Bureau of Energy Standards.
- Suggested a heat recovery system for a (**INR 50 million**) Hotel Air Conditioning Project at Hampi.

Nimbkar Agricultural Research Institute, Phaltan
Renewable Energy, Social Sector NGO

Internship
December, 2009

- Worked on the efficiency improvement of an ethanol 'lanstove' (lantern+stove) which runs on 58% ethanol.
- Developed a 'preheater' which improved **efficiency by 2%** and got incorporated in final lanstove prototype.
- This product (Lanstove) won the prestigious **GIOBE** award, given to path breaking innovations worldwide.

Bhabha Atomic Research Centre, India
Automation and Control

Internship
May to June, 2009

- Developed a mechanical model of a Cartesian scanning device.
- Developed control consoles by using Visual Basic interface for the same.
- The whole system was fabricated and interfaced and is used in BARC, Mumbai campus.

Project Work and Term Papers

B.Tech Project thesis- Modeling of an air conditioning system with desiccant regenerative systems for domestic utility.

Ongoing

Term Papers and Projects as part of Soft Computing Tools in Engineering
Fall Semester, 2009

- Term paper on maze solving using Genetic Algorithm.
- An innovative approach of blending genetic algorithm with simulated annealing was suggested.
- Suggested algorithm gave satisfactory results under test environment.

Projects as part of Kharagpur Robotics and Artificial Intelligence group
2007-2008

- Prison break: Navigation by a mechanical robot on all types of terrains
- Robo Relay: Carriage of objects by more than one autonomous robots using SWARM.
- Line Maze Solver: Maze Navigation by an autonomous robot, using virtual grids and wall following.

Awards and Honors

- **Gold** in inter hall Product Design Competition- 'Automated speed regulation system for vehicles'   **2009-2010**
- Was awarded the prestigious 'National Talent Search Scholarship' by NCERT.   **2002**
- **Silver** in state level Paper presentation Competition on 'Transit of Venus'   **2004**

Posts of Responsibility

Technology Events Secretary, 2008-09 – Rajendra Prasad Hall of Residence   **2008-2009**

- Responsible for nurturing the technology events related interest among hall mates.
- Was awarded as the **'Best hall Council member'** for my work during the tenure.

Captain: Hardware Modeling, RP hall of Residence   **2010-2011**

- Developing a team that delivers their best performance in the event and grooming students interested in it.

Extracurricular activities

- Reporter of Awaaz, Hindi Newsletter of IIT KGP, 2007-08; Interviewed **Mr Dilip Chhabria** (founder, DC Designs) for Awaaz.
- Part of the teams that secured **Silver** in Product Design and Case Study; Achieved **award of excellence** in Case study, 2008-09.
- Worked with a Kharagpur chapter of **AIESEC** (an youth organization) on a social project addressing rural school kids; **raised sponsorships** to provide school stationary to 50 needy students, 2008-09.
- Worked with a website based **startup** 'Instibuzz' for developing an user interface for the e-commerce portal, 9-10.