

Pranav Patwardhan

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Academic Performance

Year	Degree/ Certificate	Institute/ University	CGPA/ Percentage
2011	B.Tech (Hons.) - Instrumentation Engineering	IIT Kharagpur	7.27/10
2006	Class XII - Higher Secondary School Certificate, Maharashtra	Fergusson College, Pune	91.17%
2004	Class X - Secondary School Certificate, Maharashtra	NMV High School, Pune	92.4%

Positions of Responsibility

GENERAL SECRETARY TECHNOLOGY IIT KHARAGPUR (SESSION 09-10)	<ul style="list-style-type: none"> Elected as Executive Head, Kshitij 10 & Chairman, Technology subcommittee - Electorate 7000 students Achieved an increase in net worth and participation of the fest by 75% and 60% respectively Enabled 66% increase in Media affiliations of the fests including Collaboration with Times Now and The Telegraph causing a multifold rise in net worth and visibility of the fest at national level Introduced a social facet in the fest with a new event for the educational welfare of rural West Bengal Achieved an increase in number of Foreign Exhibits and Guest Lectures by 50% and 33% respectively Organized 9 events of Technology General Championship which saw 18% increase in participation
Member Steering Committee	<ul style="list-style-type: none"> Supervising the core organizing team in charge of Kshitij '11 - Asia's Largest Techno Management Fest Pioneered the collaboration with IYCN to organize Youth summit on Climate change at Kshitij'11
Event Organizer (IMechE)	<ul style="list-style-type: none"> Established the first ever student chapter of IMechE, UK in India at IIT Kharagpur Organized Competitions & workshops throughout the India with overall footfall of 2000 students
Core Team Member Kshitij 2009	<ul style="list-style-type: none"> Coordinated alumni interaction, Public Relations and sponsorship of the fest Managed 4 events during the fest, handled a total budget of INR 2.5L, footfall of 500 students

Internships and Projects

HONEYWELL AUTOMATION INDIA LTD	SUMMER INTERNSHIP	May 10 – July 10
<ul style="list-style-type: none"> Designed a PLC driven automated system for an Emulsion Plant of a leading Paint manufacturer company Received highest rating for internship performance among 35 summer interns at the company Developed Logic & Graphics for the system which increased efficiency of FAT process by 20% 		
PRECISION AUTOMATION & ROBOTICS INDIA LTD	SUMMER INTERNSHIP	May 08– July 08
<ul style="list-style-type: none"> Amongst a very few students from India to develop a software which can solve any configuration of a Rubik Cube Implemented Rubik Cube Solver Algorithms with development of GUI and Mechanical Design for a Robot 		
IIT KHARAGPUR	THESIS PROJECT	August 10 –Present
<ul style="list-style-type: none"> Implementation of a controller via 40 bit AVR microcontroller to optimize the process performance Designing a process controller for complex time variant processes with delayed feedback system Designed and implemented a Voice Operated Switch module via AVR microcontroller 		

Academic Distinctions

Competitive Examinations	<ul style="list-style-type: none"> Among top 0.47% applicants in JEE 07 with All India Rank 1151 among 243,250 participants All India Rank 1170 in All India Engineering Entrance Exam 07 among 643,550 participants All India Rank 98 in Maharashtra Common Entrance Test exam among 176,800 participants
Scholastic Achievements	<ul style="list-style-type: none"> Maharashtra State Merit Holder in Class X, with Rank 19 among 1400,000 students. Maharashtra State Merit Holder in Class XII, with Rank 24 among 1000,000 students State Bank of India Scholarship holder for 8 consecutive years for excellent academic performance First among candidates from Jumbo Group of Industries all over India for the best performance in class X

Activities and Interests:

Robotics	<ul style="list-style-type: none"> Designed different types of Autonomous and Mechanical robots like Wall Follower, Line follower, Object follower and Grid Navigator as an active member of Kharagpur Robotics & Artificial Intelligence Group Part of Only team in India comprising of first year students at the Robotics contest of IIT Delhi Techfest
Social Initiatives	<ul style="list-style-type: none"> An active member of a NGO - "Ekam Seva Parivar" and a regular Blood Donor for past 2 years Coordinated Blood Donation, Food donation and Health Awareness activities with slum kids Appreciation certificate from Tribal Welfare Society for raising funds for needy tribal communities Successfully completed annual Training Camp of NCC as a cadet and cleared B Certificate examination Analyzed the living conditions and problems faced by villagers in Chitripur near Kharagpur; This analysis is being used by Kharagpur based NGO to improve the rural living conditions
Extra Curricular	<ul style="list-style-type: none"> Part of Silver winning Ad design Team of RP hall in Technology general Championship 08-09 Represented RP Hall in Inter-hall Table Tennis and Choreography competitions at IIT Kharagpur (08-09)