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Ashutosh Purohit

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EDUCATION

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE
BE(Hons) Manufacturing Engineering
Junior | Pilani,India
Cum. GPA: 3.83/4.0

NAVRACHANA HIGHER SECONDARY SCHOOL
12th Graduation
March 2015 | Baroda,India
Percentage: 93%

BHARTIYA VIDYA BHAVANS
10th Graduation
March 2013| Baroda, India
CGPA: 10/10

LINKS

Facebook://dd
GitHub://punnymath
LinkedIn://AshutoshP
Twitter://@debarghya_das
Quora://Debarghya-Das

COURSEWORK

UNDERGRADUATE
Manufacturing Processes
Manufacturing Management
Supply Chain Management
Fluid Mechanics
Kinematics and Dynamics of Mechanisms
Machine Design and Drawing
Neural Networks and Fuzzy Logic
Object Oriented Programing

MOOPS
Neural Networks by Jefery Hinton
Algorithms by California Institute of Technology

SKILLS

PROGRAMMING
Over 5000 lines
• Java • C • Python
Softwares
• Solidworks • Linkage • COMSOL
• Arduino

EXPERIENCE

ISRO | RESEARCH INTERN
May 2017 - July 2017 | Jodhpur,India
- Created a neural network implementing the googLENET algorithm to detect windmills in a given satellite image
- Mentored by Dr Rakesh Paliwal, Sr Scientist ,ISRO
- The program so developed will be used by ISRO for further research

DUBAI PRECAST CONCRETE | SUMMER INTERN
June 2016 - July 2016 | Dubai
- paid intern in the design department
- Introduced the design team to the benefits of SolidWorks in performing stress –strain analysis in hollow core slabs and other precast elements

PROJECTS

EFFECT OF CUTTING TOOL PARAMETERS ON SURFACE ROUGHNESS USING NEURAL NETWORKS | BITS PILANI
Feb 2017 | Pilani, India
Worked in a 2 membered team to evaluate cutting tool parameters to obtain minimal surface roughness in a mild steel rod using neural networks.

DESIGNING AND MANUFACTURING AN AUTONOMOUS ROBOT AND A SEMI-AUTONOMOUS ROBOT | ABU ROBOCON 2016
Mar 2016 | Pune,India
Designed and Manufactured the Hybrid bot which is a semi-autonomous robot capable of line following, climbing poles and also powering the Eco bot, a small autonomous bot capable of line following, to compete in a pan Asia Competition.

DESIGNING AND MANUFACTURING A MANUAL DISK PROPELLING BOT | ABU ROBOCON 2017
Mar 2016 | Pune,India
Designed and Manufactured a bot capable of not only throwing disks at a given distance and height,but also line following, to compete in a pan Asia Competition.

AWARDS

2012	City topper and state rank 105^{th}	National Science Talent Search Examination
2012	City topper and state rank 22^{nd}	International English Olympiad

POSITIONS OF RESPONSIBILITY

[1] One of the six core members of the Junior Placement Committee
[2] Event Coordinator in the Manufacturing division
[3] Mechanical subsystem lead for Team Robocon