

Shantanu Kumar

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY, PATNA

B.TECH IN ELECTRICAL ENGINEERING
Expected May 2016 | Patna, Bihar
Current CPI: 7.23/10

DAV PUBLIC SCHOOL

INTERMEDIATE(CBSE) IN SCIENCE & MATHS
March 2011 | Nerul Navi Mumbai
Percentage: 78.6

DAV PUBLIC SCHOOL MATRICULATION(CBSE)

March 2009 | Nerul Navi Mumbai
Percentage: 93.8

RELEVANT

COURSEWORKS

SEMICONDUCTOR DEVICES AND CIRCUITS
DIGITAL CIRCUITS AND MICROPROCESSOR
SIGNAL, SYSTEM AND NETWORKS
ANALOG INTEGRATED CIRCUITS
PRINCIPAL OF COMMUNICATION
INTRODUCTION TO VLSI DESIGN
EMBEDDED SYSTEM
DIGITAL SIGNAL PROCESSING
CONTROL SYSTEMS
ELECTRONIC INSTRUMENTATION
ELECTRICAL MACHINES
POWER SYSTEMS
POWER ELECTRONICS
WIRELESS COMMUNICATION
COMMUNICATION NETWORKS

SKILLS

PROGRAMMING

• C • Java • C++

TOOLS

• MATLAB and Simulink •
Mathematica • PLC programming

PROFICIENCY

• VERILOG programming
• Experience with Arduino Boards.

EXPERIENCE

UTTAM GALVA STEELS & POWER LIMITED SUMMER INTERN

May 2015 – July 2014 | Khapoli, Raigad Maharashtra
My work involved understanding the process of power generation and operation and management of the power plant.

PROJECTS UNDERTAKEN

REFREE WHISTLE DETECTION Aug 2014 - Dec 2014 | IIT Patna, Bihar

GUIDE - Dr. Maheshkumar H. Kolekar
Detecting whistles from the video of the soccer game and creating highlights of the game based on the whistles detected. Some blocks which were used to process the signal are Preprocessor, Linear phase band-pass finite impulse response (FIR) filter, Short time energy estimator and Decision Logic. The video is divided into visual and audio channels and audio signals present in the single-channel is processed.

RFID BASED ATTENDANCE SYSTEM Jan 2015 - April 2015

GUIDE - Dr. Aneek Adhya
My work was to create an efficient attendance system based on recognition of RFID tags.
Language Used - Python

PRACTICAL PROFICIENCY

- Digital Circuits Laboratory • Analog Circuits Laboratory • VLSI Laboratory
- Communication Laboratory • Instrumentation and Control Lab
- Electrical Machines Lab • Embedded System Lab

POSITIONS OF RESPONSIBILITY

- Coordinator of various events in Anwesha (Cultural Fest of IIT Patna)
- Organised events in Celesta (Tech fest of IIT Patna).

ACHIEVEMENTS & AWARDS

- Participated in various events conducted in Celesta (Tech fest of IIT Patna) and Anwesha (Cultural Fest of IIT Patna)

HOBBIES

FOOTBALL
BADMINTON