SAGAR KUMAR VERMA
UG 3rd Year(B.Tech)
Computer Science & Engineering Department
Indian Institute of Technology, Patna

Sex : Male   DOB : 13th Aug 1995

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ACADEMIC ACHEIVEMENTS:

- Selected among top 0.1% of students in the IIT-JEE out of 12,00,000 students. [2013]
- Achieved 9.6 CGPA out of 10 in High School Central Board of Secondary Education (CBSE) Examination Board [2010].
- Secured 90%marks in higher secondary Central Board of Secondary Education (CBSE) Examination [2012].
- Current CPI is 7.62 till 4th semester.
- Secured 1st rank in science research Examination held by science academy in Biharsharif city. [2009].
- Participated in various International Science and Math Olympiads.

MAJOR PROJECTS & WORK EXPERIENCE:

1.SRIRU
Guide: Dr. Samrat Mandal
- Worked on a Software named SRIRU under the academic course Software Engineering. This is a software which managed all the research project going in the institute
- It also allows potential sponsor to look projects and invest on interested one.
- It also deals with sales,purchases of the project along with managing its account details.

2.QUINE McLUSKY ALGORITHM
Guide: Dr. Samrat Mandal
- The whole algorithm was implemented in java.
- Minimise any number of Boolean expression.

3. 4-BIT CPU
Guide: Dr. Somnath Tripathy
- Implemented a 4- bit processor under the academic course Computer Architecture and Organisation.

4.WEB APPLICATION
- Created a dynamic web application for a business firm which allows the firm to interact with their customers, like sending mail about new products,discount in products.It also allow customer to give their feedback about the product online .

5. SPONSORSHIP PORTAL
- Worked as a front- end and back- end developer of Sponsorship portal of IIT Patna's techno- cultural fest Anwesha.

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TECHNICAL SKILLS:

- Web Designing: HTML , CSS , PHP, JavaScript, My SQL ,Oracle

- ➢ Programming languages: C,C++, Java, Python,MIPS Assembly language
- ➢ Softwares: Msoffice, Autocad, Photoshop, Eclipse

- ➢ Operating Systems: Windows, Linux(Ubuntu), Android

TOPICS OF INTEREST:

- ➢ Interested in: Computer Networks, Natural Language Processing, Cryptography, Algorithm Analysis and Computing.
- ➢ Learning the making and working of computer games and online controlled games like STOCKMART.
- ➢ Besides Computer science I am also interested in Astronomy, Physical Cosmology and Quantum Physics.

POSITIONS OF RESPONSIBILITY:

- ➢ Member of Sponsorship committee of iit patna annual fest Anwesha.

- ➢ Member of organizing committee of the Treasure Hunt event in Anwesha.

- ➢ Elected as the house captain of the school in year 2009-2010 .

EXTRA-CURRICULAR ACTIVITIES:

- ➢ Active member of NSS committee of iit patna.

- ➢ Active Sportsman participated in inter iit sports meet twice.

- ➢ Active participation in various cultural activities in school.

COURSES UNDERTAKEN:

- Introduction to computing
- Electrical Sciences
- Digital Design
- Engineering Drawing
- Discrete Mathematics
- Engineering Mechanics
- Probability Theory and Random Processes
- Computer Organization and Architecture
- Formal Language and Automata(*)
- Operating System(*)
- Databases(*)
- Data structures
- Statistics
- Algorithms Analysis
- Calculus
- Signal System and Networks
- Object Oriented Programming
- System Programming
- Software Engineering
- Programming Language(*)
- Data Communication(*)

NOTE-:Star(*) marked courses to be completed til novemer 2015

- ➢ References are available on request.