‍‍Sheshant

Date of Birth: 22thJune 1993

Current Address: A110, Rajendra Prasad Hall of Residence

Indian Institute of Technology, Kharagpur

Email: ssheshant@gmail.com Phone: +91 9932839205

Education

* **School Education:**
* 10th ICSE(Indian Certificate of Secondary Education) Board. Institute : St Karen’s High School, Patna. Completed in the Year 2010. Marks : 85% (Aggregate), 92% (Mathematics), 98%(Computer applications)
* 12th All India Senior School Certificate Examination (CBSE) institute : Scholar’s abode, Patna completed in the Year 2012 Marks : 82.6% (Aggregate) , 92.33% (PCM)

College: BTech in Computer Science, Indian Institute of Technology Kharagpur. 2016. CGPA 7.75

SOFTWARE ENGINEERING SKILLS

OPERATING SYSTEM

* Linux, Windows 10, Kali Linux

PROGRAMMING LANGUAGES

* C, C++, JAVA, PYTHON, MATLAB

SOFTWARES

* Visual Studio 2013, Eclipse, NetBeans, Solid works 2013, Microsoft office 2013, Matlab (or Octave)

DATABASE

* SQLite, MySQL

**ACADEMIC HONORS & ACHIEVEMENTS**

* Was in top 1% of the 500,000 students that appeared for IIT Joint Entrance Examination (IIT-JEE) 2012 secured rank of 1958 and also Secured an All India Rank around 10000 out of 1,100,000 students that appeared for All India Engineering Entrance Examination 2012.
* Holder of the Merit-cum-Means Scholarship awarded by IIT Kharagpur

RELATED PROJECTS

* **Software engineering –** Along with my lab partner, we made a software named UDIS (University Database Information System). It manages all the stats of the university regarding the grades of student and the list of all the professors and students and also all the projects undertaken by the university.
* **Database Management**- I have done work on database based software for medical diagnostic center as part of my assignment which will keep the record of all medical tests in that hospital. That software maintains a database of each patient and doctor and tests records.
* **Operating system** -
* **Summer training**- I have done my summer training at Samsung Research Institute Bangalore as an intern for the month of May to July 2015. I was in the multimedia division and my project was based on Image Processing and deep learning and convolutional neural network.
* **Image processing and computer vision** - In the field of computer vision, I have done assignments on basics of image processing and on computation of all parameters of epipolar geometry for a given pair of images and also compute the corresponding wavelength.
* **R.P. HALL opensoft** – I was part of R.P. Hall opensoft team for the year 2014, 2015, and 2016. In the year 2015 we have done a project on plotting 2D and 3D graph for a given equation of any degree and also to save the plots. In the year 2016 our problem statement was on extracting data from plots. We used tesseract-ocr for text recognition and also used opencv python for extraction of data from colored plots.
* **Btech Project** – My Btech project was on understanding vulnerabilities in wireless network and to understand the need for more security over wlan. I have performed various wireless network based security attacks like spoofing (ARP, DNS, MAC) and also password based attack and denial of service attacks like tcp flood.
* **Information retrieval** – We have done a term project on extracting Wikipedia articles for a given research paper and also print them in most relevant order. We have used nltk library and used various methods like tf-idf and k-gram and compared the result and also took user point of view that which is more relevant.