Rishabh Joshi

rishabhjoshi.github.io | fb.com/rishabh.joshi.047
+91-982-862-1109 | f2014102@pilani.bits-pilani.ac.in

EDUCATION

BITS PILANI

B.E. (Hons.) Computer Science
Expected Aug 2018 | Pilani, India
Cum. GPA: 9.27 / 10

AISSCE (CLASS XII)

Mother's International School
Grad. May 2014 | New Delhi, India
Score: 478 / 500

AISSE (CLASS X)

Mother's International School
Grad. May 2012 | New Delhi, India
GPA: 10 / 10

LINKS

Facebook://**rishabh.joshi.047**
GitHub://**rishabhjoshi**
LinkedIn://**rishabh-joshi-887351b2**

COURSEWORK

Information Retrieval
Neural Networks and Fuzzy Logic
Machine Learning
Operating Systems
Database Systems
Computer Graphics
Data Structures and Algorithms

SKILLS

PROGRAMMING

Over 3000 lines
• C • C++ • Python
Familiar
• x86 Assembler • Prolog • R
• MySQL • Java • C# • OpenGL

DATA ANALYTICS

• scikit-learn • GraphLab

EXPERIENCE

ISRO | SUMMER RESEARCH INTERN

May 2016 - July 2016 | Dehradun, India

- Developed the DataCube for Uttrakhand using GeoSpatial Technologies for IIRS, ISRO
- Determined best GIS image storage formats for storing GBs of image data
- Preprocessing of data to convert raw satellite signals to usable products
- Modeled the core API and Execution engines of the DataCube
- Created algorithm templates to obtain products from Satellite data on the web portal

PROJECTS

BITS LIFEGUARD | MENTOR: DR. RAHUL BANERJEE | HOD CSE, BITS PILANI

Oct 2015 - Present | Research Assistant

- Devoloping a fault-tolerant, cost-effective smart driver safety jacket with real time monitoring of vital signs, to prevent road accidents and taking emergency action in the unlikely case an accident occurs
- Worked on Bluetooth Authentication Schemes for low computing capability sensor nodes

WEARABLES SENSOR FUSION | MENTOR: DR. RAHUL BANERJEE

August 2016 - Present | Study Project

- Working on Adaptive learning aspects of Body Sensor Networks and sensor data fusion
- Finding and implementing accurate Sensor Fusion algorithms based on ANNs, SVM and fuzzy logic techniques
- Measuring the accuracy of the models on real-time driving data.

E-YANTRA | IIT-BOMBAY | MHRD, GOVT. OF INDIA

18th March 2016 - 19th March 2016

- Represented BITS Pilani and came 2nd out of 57 teams from all over India in the finals of e-Yantra, a robotics competition
- Coded the Firebird-5 bot over a span of 3 months to solve the problem statement

ACHIEVEMENTS

2016	National finalist in Microsoft's Build The Shield CTF Competition
2014/15	Recipient of Institute Merit Scholarship for academic excellence
2014	1574 - AIR (All India Rank), IIT-JEE Examinaion (of 1 mil+)
2014	Recipient of Govt. of India's INSPIRE scholarship (top 1% in CBSE)
2014	Board Topper in Chemistry in Board Examination (100 / 100)
2014	School Topper in Computer Science in Board Examination (99 / 100)
2012	Junior Science Talent Search (JSTS) Scholar