

Rishabh Joshi

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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

AISSSE (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++ • C099 • 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 Uttarakhand 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

- Developing 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