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RICHA SHARMA

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INTERNSHIPS

Project Trainee	**Bhabha Atomic Research Center[BARC]**	**Summer 2016**

Division of Remote Handling and Robotics
- Developed a Brain Computer Interface for KUKA robotic arm by EEG controller.
- Implemented CSP algorithm to segregate mixed signals of EEG through MATLAB
- Developed Convolutional Neural Networks in Python and trained them using deep learning concepts.

EDUCATION

Delhi	**Netaji Subhas Institute of Technology**	**Aug 2013 –Jun 2017**

- Pursuing B.E in Electronics and Communications with current GPA 7.0

PREVIOUS EDUCATION	**April 2001- May 2013**

- Passed 12th from Ahlcon Public School, Mayur Vihar (CBSE) with 91.60%
- Passed 10th from K.V.A.G.C.R. Colony with 10.0 CGPA and Merit Certificate.

TECHNICAL EXPERIENCE

Projects
- **Web Application Servers using Python:** Designed and implemented web-application server from secure barebones server.
    - Configured an apache HTTP server and PostgreSQL database server .
    - Written Python WSGI application to query the database.
    - Configured firewall to secure barebones server system; implemented strong authentication mechanisms using linux file permissions.

- **SQL [with Swiss]** (Jun 2016): Developed a database Schema using Python DB-API module to store the game matches between players of Swiss tournament. Written code to query this data and determine the winner.

INTERESTS

Machine and Deep Learning; Artificial Intelligence; Quantum Computation; Graphs and Algorithms; Computer Networks; Linux

SKILLSETS

- **Technologies:** Network Programming,Database Design,Object-Oriented Design,HTTP1/HTTP2 security fundamentals.
- **Languages**: Python,C++; SQL; HTML and CSS;Javascript
- **Software Platforms**: Python IDLE; Code Blocks; Windows, LINUX
- **Software & Technologies:** Text Editor: Sublime Text Editor, Git and Github
- **Databases:** PostgreSQL