Rahul MISHRA

PERSONAL DATA

PLACE AND DATE OF BIRTH:	Delhi, India	18 september 1993
ADDRESS:	H.No. 189, Street No. 7, Sant Nagar Main Market, Burari, Delhi-84
PHONE:	+91 9953666534
EMAIL:	rahul.mishra2003@gmail.com

LANGUAGES

HINDI:	Mothertongue
ENGLISH:	Fluent

CAREER OJECTIVE

To pursue a challenging career and be part of a progressive organization that gives scope to enhance my knowledge, skills and to reach the pinnacle in the computing and research field with sheer determination, dedication and hard work.

AREAS OF INTEREST

- **Application Development**
- **Algorithms and Data Structures**
- **Machine Learning**
    - Cognitive Systems
- **Image Processing**
    - Pattern Recognition
    - Visual Search

EDUCATION

MAY 2016	Bachelor of Technology in COMPUTER SCIENCE, **Shri Mata Vaishno Devi University**, Kakryal Major: Computer Science CGPA: 7.81/10
MAY 2011	Intermediate ,**Mount Olivet Sr. Sec. School**, Delhi PERCENTAGE: 86.3%
MAY 2009	Matriculate , **Mount Olivet Sr. Sec School**, Delhi PERCENTAGE: 86.8%

INTERSHIPS

MAY. 2015	Summer Internship in **Computer Graphics** (**Bhabha Atomic Research Centre**) The summer internship dealt with Rendering of RAM Assembly and Snout Plug Components for simulation application using OpenGL and Microsoft Foundation Class Libraries. Application was used to demonstrate the working of fueling assembly parts.

Projects

1. **Designining And Maintaining Secure Corporate Network [Jul. 2013]**
Designed and Simulated Secured corporate Network for a company on Cisco Packet tracer and maintained it using various protocols and technologies like DNS, AAA, KFSENSOR, VLAN, HTTP, FTP, ACL, NAT etc.

   Technologies Used:
   Cisco Packet Tracer Simulator.
   github.com/rahul1809/Corporate-Network

2. **Plant Soil Moisture Controller [Nov. 2014]**
Atmega8 Microcontroller based device that used Soil Hygrometer Module to maintain adequate levels of moisture for quality growth of Plants and indicated the same by LED Matrix Display ,the same can be used in Agricultural Fields to automate the process of watering the plants reducing human labor.

   Technologies Used:
   Embedded C.

3. **Store Management System [Dec. 2014]**
Java Based GUI Application that uses Mysql as Database ,made for any General Shopkeeper ,Application keeps the records about Customers, Dealers, Items.Their details can modified in anyway at later stage.Application allows to keeps tracks all transactions (sell/purchase) ,In addition we allow to credit system for both customer and dealer and charge interest on the same accordingly.

   Technologies Used:
   JAVA,MySQL.
   github.com/rahul1809/SMS

4. **Vcrawl email Scanner [Dec. 2014]**
Visual Basic Based application that scans the websites for emails, stores these emails.

   Technologies Used:
   VB .Net
   github.com/rahul1809/Vcrawl

5. **Image Encryption using Matrix Transmutaion [Dec. 2015]**
In this project,we are using various encryption schemes for introducing high confusion and diffusion rates for strong encryption of images under consideration.

   Technologies Used:
   MATLAB
   github.com/rahul1809/ImageEncrypt/

6. **Music Categorizer based on Genre [May. 2016]**
Project Based on Machine Learning Techniques, that learns from various features of music and classify them according to genres using classification algorithm, in addition to that lyrical analysis of the song further improved the accuracy of the system.

   Technologies Used:
   Numpy,Scipy,Matplotlib,Scikit-learn
   github.com/rahul1809/MusicCategorizer

Scholarships and Certificates

Aug. 2012	Scholarship for Undergraduate students with an outstanding curriculum.
Dec. 2013	**6.00.1x: Introduction to Computer Science and Programming Using Python**, Organised by **edX**.
Mar. 2014	**Computer Networks**, Organised by **Coursera**.
Jul. 2014	First place , Event **Python Geek**, Titiksha, Technical Festival of SMVD University.
Jul. 2014	Second place , Event **Debuggage**, Titiksha, Technical Festival of SMVD University.
Jul. 2014	Second place , Event **Kill-Em**, Titiksha, Technical Festival of SMVD University.
Jul. 2014	Third place , Event **Ad-Web**, Titiksha, Technical Festival of SMVD University.
Jul. 2014	**Data Structures and Algorithms**,Conducted by **IIT Madras** Under **NPTEL** .

Workshops

Feb. 2013	**Aakash Android Application Programming Workshop** ,(conducted by **IIT Bombay**)

Summer Training

Jul. 2013	Summer Training in **Network Management And Security** (Hewlett-Packard) The summer training dealt with giving an introduction about various Networking Technologies that are being using widely, various Technologies and Tools that are used while setting up any standard network for any platform and lastly we learned basics of how to secure these networks from Cyber Attacks.

Volunteer

Apr. 2014	Technical Coordinator,**Resurgence, Annual youth Festival** of SMVD University
Oct. 2014	Campus Ambassador, **CodeChef**, for **CodeChef Campus Chapter** of SMVD University
Feb. 2015	Technical Support, Cultural Program,Hindi Vigyaan Sahitya Parishad, Bhabha Atomic Research Centre, at SMVD University
Mar. 2015	Event Coordinator, ,**Titiksha, Technical Fest** of SMVD University.
Apr. 2015	Student Coordinator, Control Room Committee,Resurgence, Annual youth Festival of SMVD University

Skills

Programming Languages:	C, C++, Python,Java, ShellScript, VB. Net.
Databases:	MySQL.
Libraries:	OpenGL, Numpy, Scipy, Sklearn, Matplotlib.
Software Packages:	Eclipse, Git, CodeBlocks, SublimeText2, Qt Creator, Ms-Office, Canopy, MATLAB, Octave,Cisco Packet Tracer.
Platforms:	Windows XP/7/8.1/10, Ubuntu, RHEL .

Web Presence

- Github Profile : github.com/rahul1809
- Linkedin Profile : in.linkedin.com/in/rahulmishra01
- CodeChef Profile : codechef.com/users/rahul_mishra01