Abhishek Verma

78/4, Indira Colony, Janipur, Jammu 180007
IIIT Allahabad UP 211015
✆ (+91) 7388057575
✉ abhishekvermasg@gmail.com
⌨ www.github.com/abhishekverma

Education

2013–2018 **Dual Degree B.Tech.(IT) and M.Tech.(SE)**, Indian Institute of Information Technology, Allahabad.
CGPA: 8.40

2012–2013 **HSC**, C.B.S.E, Stephen's International Public School, Jammu.
Percentage: 91.0 %

2010–2011 **SSC**, C.B.S.E, Army School Damana, Jammu.
CGPA: 10.0

Work Experience

Software Developer
2016–2017 Exam Cell Department, IIIT, Allahabad

Awards & Accomplishments

2017 Awarded certificate for software development of college's admission portal and other services.

Relevant Projects

June–present 17 **Spark deployed on OpenStack Cloud for Biological Data Analysis**: Biological data is always huge and hard to analyze, but Spark provides large-scale data processing and performs better than Hadoop. I have implemented various tools like handling of 3-D cordinades, crating average structures and calculating RMSD proteins or other tools.

May–July 17 **Password Strength Prediction and Suggestion using Neural Networks**: People are habitual of using dictionary words or common words as their passwords and the present password-strength checkers don't factor this fact as a result, for them, 'password' is weak and 'password1' is strong. My system aims at resolving this problem by employing neural networks. Neural networks guess the password and the guess number is inversely proportional to the strength of the password.

Jan–May 17 **P2P file sharing system using Python**: I implemented a P2P file sharing system employing complete binary tree topology for nodes using socket module of Python. The insertion and deletion of nodes and file sharing between nodes was successfully implemented. It was tested for up to 100 nodes and successfully transferred files between the nodes. Insertion and deletion of nodes was also successful.

Jan 16–May 17 **Automation project for Examination Cell**: I implemented the automation of various examination cell and college processes like admission of students, identity card generation, grade and transcript generation, marks upload by faculties and their amalgamation for creating the result for a particular semester, fetching student details and other processes. Languages used were HTML5, CSS3, PHP, and Javascript. The system was deployed on CentOS and security was implemented using SELinux and iptables.

Skills and Interests

OPERATING SYSTEMS: Linux (Ubuntu & Redhat) and Windows

CLOUD TECHNOLOGIES/SERVICES: Spark, Nova, Swift, Neutron

CLOUD OPERATING SYSTEM: OpenStack Mitaka

CLOUD PLATFORM: Heroku

PROGRAMMING LANGUAGES: C/C++, Java, Python, Shell, MATLAB, SQL, R

WEB DEVELOPMENT: HTML5/CSS3, PHP, Javascript

VISUALIZATION TOOLS: ggplot2, matplotlib, seaborn, Cytoscape, Gephi

OTHER TOOLS: LATEX, RStudio, Adobe Audition, Adobe Photoshop, Adobe Lightroom, Adobe After Effects

OFFICE WORK: MS Word, MS Excel, MS PowerPoint

ACADEMIC INTERESTS: Machine Learning, Databases, Distributed Computing, Operating Systems

Hobbies and Extra-Currics

○ Rubik's Cube (can solve within 40 secs and happy to give a demo!)

○ Singing

○ Guitar

○ Photography

○ Writing (songs and short stories)

○ Quizzes

○ Participated in a college play

○ Participated in a literary event(*shayari*)

○ Penned newspaper article for college festival

Declaration

The information provided above is here is true to the best of my knowledge.