

Shiv Kumar

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EDUCATION

NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

B.E. INFORMATION TECHNOLOGY
New Delhi | Expected Aug 2020 |
CGPA: 8.14/10.0

MANAV RACHNA INTERNATIONAL SCHOOL

A.I.S.S.C.E. , C.B.S.E.
Faridabad | May 2016 |
Percentage: 92.0

MANAV RACHNA INTERNATIONAL SCHOOL

A.I.S.S.E. , C.B.S.E.
Faridabad | May 2014 | CGPA:
10.0/10.0

SKILLS

LANGUAGES AND FRAMEWORKS

C • C++ • Python • Java • HTML •
CSS • Bootstrap • Javascript •
jQuery • NodeJS • Express • Scikit
Learn • Tensorflow • Keras • ROS •
NLTK • \LaTeX

MACHINE LEARNING

• Regression • Support Vector
Machines • Naive Bayes • K Nearest
Neighbours • Decision Trees •
Neural Networks • Natural
Language Processing

MISCELLANEOUS

• Shell Scripting • UI/UX Design and
Graphic Designing • Kinetic
Typography • Video Editing

AWARDS

• Participated in 12 Model United
Nations Conferences; Won awards in
9 of them.
• Awarded the pyTorch challenger
scholarship by Facebook and
Udacity.
• Awarded the school scholar
achievement award for continuous
academic excellence for 5 years.

ACADEMIC PROJECTS

COMPARATIVE ANALYSIS AND STUDY OF DIFFERENT SUPERVISED LEARNING ALGORITHMS. [\[HERE\]](#)

June'18-August'18 | Independent Study | Netaji Subhas Institute of Technology

- Implementation and analysis of conventional regression and classification methods such as Multi variable Linear Regression, Logistic Regression, Naive Bayes and KNN using basic principles.
- Understood the working of other popular algorithms such as Decision Trees, Random Forests, Support Vector Machines along with their implementation in Scikit Learn library.
- Analysis and implementation of multi layered neural networks (ANN, CNN, Resnets) for bi and multi classification problems using Numpy, Tensorflow and Keras.

MAGICAL COMMANDS FOR BASH (MCB) [\[HERE\]](#)

September'18 - | Independent Study | Netaji Subhas Institute of Technology
Started an open source project to bring together Harry Potter fans on Github to replace bash commands with harry potter spells with regular improvements and maintenance.

POSITIONS OF RESPONSIBILITY

SOFTWARE DEVELOPMENT LEAD | AUTOMATED ROVER AND EMBEDDED SYSTEMS ROBOTICS, N.S.I.T.

August'18 - | New Delhi

Currently leading a team of 10 developers to design and implement the software systems for an autonomous rover to participate in a 4 phase University Rover Challenge.

HEAD OF OPERATIONS | DELEGATE | DELEGATION TO HARVARD NATIONAL MODEL UNITED NATIONS, BOSTON, M.A.

Oct 2016 – March 2017 | New Delhi

- Member of award winning delegation at the prestigious 4-day conference which saw participation of over 3000 students from 70+ countries.
- Oversaw logistics, operations and documentation of the entire delegation, interacting with different stakeholders in the process.

SENIOR EXECUTIVE MEMBER AND DESIGN HEAD | FINANCE AND ECONOMICS SOCIETY AND CONSILIUM'18, N.S.I.T.

March'17 - September'18 | New Delhi

- Conducted weekly sessions and presentations entailing research into topics like FinTech and its growing prominence, cryptocurrency, etc. which saw 50+ regular attendees.
- Organized session with Balaji Vishwanathan as speaker on the topic "Changing Dynamics of Indian Business World(with special reference to technology)"; saw 200+ attendees.
- Boosted reach of the annual business conclave by 150% leading a team of 20+ members in the design team.

PUBLICATION

DNA based storage: Introduction, Characteristics Applications and Challenges, accepted for publication in the Annals of Computer Science and Information Systems (2300-5963), Poland. [\[HERE\]](#)

Authors: D.K.Sharma, **S. Kumar**, A.Kumar