

Ajay Kumar

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Banaras Hindu University
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Education

BANARAS HINDU UNIVERSITY, INDIA
Master of Science, Computer Science

Expected May 2020
(CGPA: 7.53 till First Year)

UNIVERSITY OF DELHI, INDIA
Bachelor of Science, Computer Science

May 2018
(Grand CGPA: 6.58)

Thesis Research

Thesis: "Genome analysis using deep learning techniques"

Advisor: Dr Manoj Kumar Singh (GIST, South Korea)

Focusing on deep learning techniques for genome analysis and understanding how cutting-edge advancement in technology could help for underlying hidden structures in the genome.

Experience / Internships

PROF. DR. RABIDYUTI BISWAS
SPA, New Delhi, IN

14th June 2019 – 17th July 2019

Web Development and Android App Development

Worked in the Centre for Analyses and System Studies (CASS), School of Planning and Architecture, New Delhi, IN, on the project named "Urban STeP: Smart Toolkit for Participatory Local Area Planning".

Link: www.urbanstep.in

PROF. DR. MEENAKSHI DHOTE
SPA, New Delhi, IN

14th July 2019 – 14th August 2019

Android Application Developer

Worked at Design Innovation Center, School of Planning and Architecture, New Delhi, IN, on the project named "Toolkit for Urban Biodiversity Conservation".

Link: <http://dicspad.ac.in/project-toolkit-integrating.html>

Skills / Certifications

- 1. DESCRIPTIVE STATISTICS WITH R SOFTWARE, IIT KANPUR, SWAYAM (04/2020)**
Accomplished 8-week online course under the guidance of prof. Shalabh.
 - 2. DEEP LEARNING, IIT KHARAGPUR, SWAYAM (10/2019)**
Accomplished 12-week online course on deep learning with prof. Prabir Kumar Biswas.
 - 3. CRISPR/CAS9 CRASH COURSE FOR BEGINNERS, UDEMY (10/2019)**
Accomplished first launched course on Crispr/Cas9 from Udemy by Muhammad Naeem.
 - 4. IBM'S DATA SCIENCE SPECIALIZATION, COURSERA (2020)**
Pursuing specialization in data science from IBM, Coursera with a capstone project.
 - 5. GENOMIC DATA SCIENCE SPECIALIZATION, COURSERA (2020)**
Pursuing specialization in genomic data science from John Hopkins University.
 - 6. INTRODUCTION TO RESEARCH, NPTEL, IIT MADRAS (25/02/2019 - 25/04/2019)**
Attended 8-week online teaching course under the guidance of prof. Pratap Haridos and with his colleagues.
 - 7. DATA SCIENCE FOR ENGINEERS, NPTEL, IIT MADRAS (28/01/2019 - 31/03/2019)**
Accomplished 8-week online teaching course under the guidance of prof. Raghunathan Rangaswam.
 - 8. ETHICAL HACKING WORKSHOP, IIT BHU (01/2019)**
Attended productive 2-days workshop at IIT BHU with the kryion technology.
 - 9. MASTER DARK NET AND DEEP WEB ONLINE COURSE, UDEMY (09/2018)**
Accomplished online course on dark net and deep web ethics.
 - 10. ADVANCE ENGLISH SPEAKING SKILLS, AAM FOUNDATION(09/2013)**
Attended beginner to advance level English speaking course.
 - 11. A+ IN NITS TALENT SEARCH EXAMINATION(2012)**
Achieved A+ grade in NITS' examination conducted at school level.
 - 12. ACADEMIC AWARD AT SCHOOL LEVEL(2012)**
Achieved academic award at school level for appreciation.
 - 13. BUILD SOCIAL MEDIA SKILLS, NIIT(2011)**
Built social media skills under the guidance of NIIT professionals.
 - 14. MAXIMIZING PRODUCTIVITY WITH OFFICE 2010, NIIT(2011)**
Maximized productivity skills with office under the guidance of NIIT professionals.
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Publications

GENERAL SCIENCE BOOK FOR RRB ASPIRANTS, NEW DELHI

Published a general science competitive book for Railway Reserve Board (RRB) aspirants with the objective to solve the real-world problems and to refine my knowledge further.

Link: <https://drive.google.com/file/d/1ToPQLoFCAuTY8RrsyWa783clwhbu06B/view?usp=sharing>

Professional Affiliations

- Institute of Electrical and Electronics Engineers (IEEE)
 - American Society of Human Genetics (ASHG)
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Relevant Coursework

Genomic Data Science
Python/R/Matlab

Molecular Biology
Data Science

Linux/Ubuntu
Deep Learning/Machine Learning

References

1. **Name:** Dr. Manoj Kumar Singh

Name and Address of Institute: Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, India

Designation: Associate Professor, Ph.D.(GIST South Korea)

Email: mks_kjist@yahoo.co.in

Contact No: (+91) 8005434293

2. **Name:** Prof. Dr. Rabidyuti Biswas

Name and Address of Institute: Head at Center for Analyses and System Studies, School of Planning and architecture, New Delhi, India.

Designation: Professor, Ph.D.(IIT Roorkee), M.R.P(IIT Kharagpur)

Email: r.biswas@spa.ac.in
