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PURNIMA BINDAL

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WORK EXPERIENCE

ASSISTANT PROFESSOR (Ad-hoc)	P.G.D.A.V. College, University of Delhi	July 2013- PRESENT
<ul style="list-style-type: none">Design and Analysis of Algorithm, O.S., Discrete Structures, Machine Learning, Digital Image Processing.Head CodeBots Club of Parikalan Computer Science Society, PGDAV College.		
ASSISTANT PROFESSOR (Ad-hoc)	DEEN DAYAL UPADHYAY College, University of Delhi	Jan 2013- May 2013
<ul style="list-style-type: none">Taught DBMS to second year Under-graduate students.		
APPLICATION DEVELOPER	IBM India Pvt. Ltd.	Aug 2010-Oct 2011
<ul style="list-style-type: none">Worked on their Airtel Project.Performed banner management on website.Worked on customer feedback form and search.Customer Center Search on basis of Pin Code.Worked on technologies like JAVA, Servlets, JS, AJAX, etc.		

EDUCATION

Ph. D. Pursuing Ph.D. under the guidance of Dr. Vasudha Bhatnagar	Department of Computer Science, University of Delhi	Feb 2022- till date
MASTER'S OF COMPUTER APPLICATIONS Percentage: 79.88%	BANASTHALI UNIVERSITY, RAJASTHAN	July 2007 - May 2010
B.A.(HONS.) MATHEMATICS Percentage: 91.56%	HANSRAJ COLLEGE, UNIVERSITY OF DELHI	July 2004- May 2007

PROJECTS UNDERTAKEN

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- ELECTRONIC INSTITUTE MANAGEMENT SYSTEM**
Developed a system for HCL CDC to manage the student information and used to schedule the online exam. Administrator can login for managing student information, schedule, reschedule or cancel the exam. Student can login to give the online examination and to access the study material.
 - EXAMINATION PORTAL**
Developed an examination portal for HCL CDC that will conduct the examination and will generate the students' results. Student can give the test with his/her student ID.

ACHIEVEMENTS

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- Cracked **GATE with 99.41 percentile**.
 - NET (2012)- JRF (2015)** Qualified.
 - Received **Best Woman Candidate Award** of Mathematics Department, University of Delhi.
 - Rank holder** in under-graduation, University of Delhi.
 - Scholarship holder for three consecutive years during Under-graduation.
 - Got **National Scholarship**, XII Standard.
 - Secured **100% marks in Mathematics**, XII Standard.

RESEARCH PAPER

Published a research paper titled "Fair Allocation of Items, A Comprehensive Study", as **Chapter-4 in book titled "Applied Mathematical Modeling and Analysis in Renewable Energy"**, CRC Press Taylor and Francis Group, 2021. <https://doi.org/10.1201/9781003159124> **Scopus and Google Scholar indexed**

LANGUAGES AND TECHNOLOGIES

C, C++, JAVA, DSA, OOPS, NLP, Python.

Faculty Development and Refresher Programme

- One Week Faculty Development Programme on "Open Source Tools for Research" from June 08 - June 14, 2020 organized by Ramanujan College, University of Delhi
- Webinar Series (Professional) on "Transforming Teaching-Learning Process using ICT Tools" from August 28th to August 30 2020 organized by PGDAV College, University of Delhi
- Certificate course on "Natural Language Processing with Classification and Vector Spaces" from Coursera DeepLearning.ai.
- Online **two-week interdisciplinary refresher course** in "REVITALIZING LIFESTYLE THROUGH YOGA PRACTICE" from 04 - 18 October, 2021 and obtained **Grade A+** organized by Teaching Learning Centre, Ramanujan College University of Delhi
- One week (Online) Faculty Development Programme on "Natural Language Processing and It's Applications" from 5 - 11 March 2022 organized by P.G.D.A.V. College(M), University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi
- One week (Online) Faculty Development Programme on m "Big Data Analytics" with **grade A** jointly organized by University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education.
- Attended 19th International Conference on Natural Language Processing December 15th - 18th, 2022 | IIIT Delhi, India.

Achievements as Faculty

- **Resource person** for the session on 'Hosting Websites on Github' certificate course titled **Responsive Web Designing using Bootstrap** held from 5th July 2021 to 23rd July 2021 at P.G.D.A.V. College, University of Delhi.
- **Part of the organizing committee for the certificate course** titled Responsive Web Designing using Bootstrap held from 5th July 2021 to 23rd July 2021 at P.G.D.A.V. College, University of Delhi, Nehru Nagar, New Delhi.
- Always received **certificate for completing the evaluation work on time.**
- **Finalist** of the Coding Contest at **Code Gladiators 2022**

Member of College Societies

- Member of Sports Committee
- Member of SAF Committee
- Active member of NAAC criteria 2
- Mentor, CodeBots Club of Parikalan Computer Science Society, PGDAV College.
- Member of Canteen and Cultural Committee (last two years)