

DARPAN SINGH

B-17, IICT Housing Complex, Indian Institute of Carpet Technology
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Professional Profile

A highly accomplished IT professional with over 22 years of experience in infrastructure management, database administration, and software development. Currently pursuing a Ph.D. in Computer Science & Engineering, specializing in AI-driven data analysis and networking. Proven track record in managing large-scale IT operations for government institutions and translating complex data into strategic solutions.

Patents & Research Publications

- **Design Patent (2024):** Obtained a design patent on "AI-Powered DATA Analysis Device".
- **Research Paper (ICISS 2025):** Presented "Hybrid MARL-GNN Based Deep Learning Approach to Predict Employability of Students in Higher Education" at the 7th International conference on Intelligent sustainable systems.
- **Research Paper (DoSCI-2025):** Presented "Advancements in Machine Learning-Based Brain Tumor Segmentation and Comprehensive Analysis of Insights" at the 6th DoSCI-2025.
- **Journal Publication (2018):** Published "Analysis of Supervised Feature Selection Techniques on Animal Husbandry Dataset" in the International Journal of Computer Applications.

Professional Experience

Indian Institute of Carpet Technology (IICT), Bhadohi

Computer Lab Assistant (CLA) | October 2014 – Present

- **Database Management:** Acted as DBA for large-scale projects, including a database-driven selection methodology for 5,000 artisans.
- **Infrastructure Management:** Setup the central server room and established a comprehensive CCTV surveillance network for the institute.
- **Systems Administration:** Manage website, domain, web space, and content management; retrieve biometric data for monthly payroll.
- **Procurement:** Draft technical specifications for IT-related purchases and infrastructure advancements.

- Academic Support: Teach theory and practical sessions for B.Tech students in Computer Science & IT subjects.
- Operations: Coordinate online placement examinations and conduct virtual meetings as per institutional requirements.

Animal Breeding Research Organisation (ABRO)

Officer Grade-III (Computer Applications/Programmer) | June 2006 – October 2014

- Software Engineering: Developed ERP-Semen Station Monitoring Systems (ERP-SSMS) using C# and SQL Server.
- Database Administration: Managed large-scale databases (SQL Server 2005-2012) focusing on ETL, performance tuning, and backups.
- Awards: Received out-of-term promotion and highest annual increment for outstanding performance in 2013.

Education & Certifications

- Ph.D. in Computer Science & Engineering – Manipal University Jaipur (Pursuing)
- MBA (Data Science and Data Analytics) – Manipal University Jaipur, 2023
- M.Tech (Computer Science & Engineering) – APJ Abdul Kalam University, Lucknow, 2018
- Master in Computer Applications (MCA) – IGNOU, New Delhi, 2005
- Bachelor of Science (B.Sc. P.C.M.) – Kanpur University, 2001

Technical Proficiencies

Python, C#, SQL Server (2005-2017), ETL, Data Mining, Networking (LAN/ISDN), CCTV Surveillance, Web Management.

Personal Details

Father's Name: Shri Rajveer Singh

Date of Birth: January 21, 1982