

Aaditya Dev Sharma

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EDUCATION

Indian Institute of Management Bodh Gaya

Master of Business Administration - Digital Business Management

Bodh Gaya, India

Jul 2025 – Jul 2027

PES University

Bachelor of Technology in Computer Science and Engineering

Bengaluru, India

May 2021 – Jun 2025

EXPERIENCE

Intern, Intelligent Data Analytics and Cloud Advisory

Apr 2026 – Jul 2026

PwC

Gurugram, India

- Led two cross-functional research teams of five members across two AI advisory workstreams, owning strategy, stakeholder alignment, and validation
- Delivered QIH MedAssist, a biomedical literature search platform for a research client, improving retrieval accuracy by 50% over three published benchmarks through systematic, risk-managed evaluation of 92,000+ configurations
- Built a predictive maintenance solution for jet engine failure prediction that cut compute costs by 72% while matching top-tier accuracy, directly lowering the client's infrastructure spend
- Identified and resolved a critical data quality issue that was silently eroding model reliability on the hardest cases using Python and SQL, restoring analytical confidence and unlocking client sign-off (R-squared improved from 0.00 to 0.70)
- Designed a multi-model medical image search solution (CBMIR) reaching 96.4% retrieval accuracy, outperforming Meta's DINOv2 benchmark using a fraction of the training data
- Authored three manuscripts on AI systems developed during the internship, prepared for submission to Springer Nature-indexed journals

Intern

Feb 2025 – May 2025

ITC Limited

Kolkata, India

- Automated HR job-posting and approval workflows on SharePoint, cutting manual effort by 60% and speeding up processing by 40%
- Established an automated inventory management system for employee item requests, cutting approval turnaround time by 50%
- Streamlined receipt generation using Power Automate, improving processing efficiency by up to 30%

PROJECTS

B.Tech Capstone Project | *Cybersecurity Risk Analysis*

Jan 2024 – Jan 2025

- Led a hybrid modeling approach to identify weak password patterns for a cybersecurity risk use case, improving prediction accuracy by 30% over baseline methods; findings published as "A Novel Hybrid Model that Generates Passwords" in ICT for Intelligent Systems, 2025
- Validated the approach against 15 million real-world credentials across three major breach datasets, strengthening a cybersecurity team's risk-analysis capability by 20%

SKILLS

Business: Stakeholder Management, Cross-Functional Collaboration, Research Communication, Team Leadership, Client Advisory

Technical: Python, SQL, Retrieval-Augmented Generation (RAG), Machine Learning, Deep Learning, NLP, Predictive Modeling, Data Analysis, Data Visualization, Statistical Analysis, Tableau, Power BI, Power Automate, Excel, GitHub, Cloud Computing

EXTRACURRICULAR ACTIVITIES

Instagram: Launched and grew a football content page around FIFA World Cup 2026, generating 2M+ views with four videos individually surpassing 100K views (peak: 300K)

YouTube: Founded and run a football content channel, growing it to 4,500+ subscribers and 500,000+ views

Google Local Guide: Google Maps Local Guide (Level 6); contributed location content and photos that generated 2.4M+ views worldwide