

Mehdi Abbas

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EDUCATION

- CARNEGIE MELLON UNIVERSITY– TEPPER SCHOOL OF BUSINESS Pittsburgh, PA
Master of Science in Business Analytics - MSBA 05/26
- HOFSTRA UNIVERSITY – FRANK G. ZARB SCHOOL OF BUSINESS Hempstead, NY
BBA in Information Systems 05/25
- Honors: Graduated one year early and awarded Cum Laude

EXPERIENCE

- FastNet Therapeutic Solutions East Northport, NY
Recruiter/Consulting Specialist 01/23 – 03/25
- **HR Analytics:** Sourced 200 unique candidates for 3 therapist specializations by leveraging third party data from LinkedIn, Indeed, and Handshake to create targeted advertising campaigns, increasing applicant volume by 40%.
 - **Process Improvement:** Improved the efficiency of the hiring process by mapping the candidate journey, identifying bottlenecks, interviewing stakeholders, and testing possible solutions. Resulting implementation improved candidate quality and reduced hiring time by 25%.
 - **Consulting:** Developed therapist improvement plans by analyzing client data in Excel and presenting financial and operational models in PowerPoint, improving client retention by 15% and increasing new referrals by 10%.
 - **Project Management:** Optimized workforce planning by scheduling and assigning staff using Calendly to meet HR operational demands, maintaining 100% staffing coverage across multiple functions and supporting uninterrupted client services.
- A & M Financial Services, LLC Westbury, NY
Data Analyst (Summer Internship) 05/23 – 09/23
- **Campaign Optimization:** Built and analyzed Excel databases with 1,000+ client records using advanced formulas and pivot tables, identifying 100+ prospects for financial aid programs and improving targeting accuracy by 35%.
 - **Data Segmentation:** Leveraged demographic and financial filters in Excel and CRM systems to segment lead data, enabling tailored sales scripts that boosted appointment conversions by 30%.
 - **Ownership:** Designed and implemented an Excel-based inventory tracking system during a facility relocation, reducing item loss and misplacement by 50%.
 - **Cross-Functional Reporting:** Standardized reporting templates by coordinating with finance and outbound sales teams, reduced weekly data preparation time by over 2 hours and improving the consistency of presentations.

PROJECT WORK EXPERIENCE

- Insurance Claims: A Comparison of Modeling Approaches for Data Modeling for Healthcare 01/25 – 05/25
- **Business Impact:** Provided recommendations for fairer insurance pricing models, highlighting ethical considerations and the potential for mitigating unintentional price discrimination.
 - **Insight Generation:** Uncovered key risk patterns by analyzing 50K+ insurance records using Python and SQL, revealing that incident severity increased during night hours, older vehicles correlated with severe claims, and state-level premium variations were driven by regional factors; insights guided client pricing strategy.
 - **Data Cleaning:** Cleaned and preprocessed healthcare insurance claims data in R, resolving missing values and reformatting variables for statistical analysis.
 - **Statistical Modeling:** Utilized R to build linear regression models assessing the impact of age, gender, and education on total claim amounts; identified age as a significant predictor.
 - **Hypothesis Testing:** Validated insurance risk models by conducting ANOVA, chi-square tests, residual analysis, Q-Q plots, and Durbin-Watson tests in R, ensuring correlations between collision type and gender, time of day and incident severity, and state-based premium variation met assumptions of linearity, normality, and independence.
- Crunchyroll Anime Web Scraping and Data Analysis Report Web Analytics for Business 01/25 – 05/25
- **Insight Generation:** Discovered weak correlations between commercial sales and award recognition, emphasizing the role of artistic and critical acclaim over popularity.
 - **Data Visualization:** Created charts and visual summaries using Python and Excel to communicate key findings.
 - **Web Scraping:** Extracted 8 years of Crunchyroll Awards data from Wikipedia using BeautifulSoup.
 - **Data Analysis:** Conducted exploratory analysis using Python (Pandas) and Excel to identify trends.

LANGUAGES & INTERESTS

- Languages: English, Urdu, Hindi | Awarded: Taekwondo (3rd) Degree Black Belt, NY State 3 time's Gold Medalist
- Interests: MMA Recruiting Volunteer, Acting in movies like, Marry Me, Clifford the Big Red Dog, and West Side Story

U.S. Citizen