

**SUMMARY**

I am Data enthusiast with expertise in Deep Learning, Finance & Economics. I like to Automate Processes by aligning data sources efficiently. My purpose is to add Value & Simplifying tasks by saving Time & increasing Productivity.

**CORE COMPETENCIES**

**Data:** CRUD Database Management, APIs, RegEx, Text Vectorization & NLP, Visualization, Spark Big Data, ML/DL/AI

**Finance:** News-Sentiment Analysis, Risk-Evaluation Equity, Fixed Income, Forecasting & Projections

**Business:** Process Automation, Dashboards, Web-navigation & Scrapping, Simulations, Workflow Documentation

**Economics:** Statistics, Operations & Research, Time Series, Macroeconomics, Econometric Estimation & Predictions

**Languages & Tools:** Python, PowerBI, T-SQL, VBA Macros, Stata, R, SPSS, LaTeX, Excel, PowerQuery, Bloomberg

**WORK EXPERIENCE**

**Data Analyst, IMEG Corp. Headquarters (Engineering & Design company), IL** **Aug'21 - Jul'22**

- Coordinated with Chief Officers & Senior Management to lead strategic Automated solutions for Production
- Pioneered the Development of AutoML DeepNeural based Sensor-Tagging Ecosystem in Building Design Industry:
  - Developed & Deployed a Self-Sustained ML model with over-night training & optimized HypParameter tuning
  - Created a User-Interaction interface using MS Teams Files with simple drag-&-drop solutions to operate 24/7
  - Designed & Implemented end-to-end ML lifecycle including pipelined text processing & file-tracking system
  - Deployed scalable DL Models by Hosting on platforms to handle pressure with ease, speed & **99.8%** accuracy
- Produced Queried pipelines for CRUD Database Integration with Create, Replace, Update & Delete capabilities:
  - Dynamic CRUD system for Apps like Ticket Support (*ZenDesk*), Phishing Tests (*KnowBe4*) & Active-Dir (*Nasuni*)
  - Integrated Tracking connectors to reflect Update changes and take actions filtered by Priority & Urgency
  - Engineered Ticket-Tracking Dashboards in PowerBI; Reduced ticket time by 250% for staff of 1600+
- Database Transformation: transitioned inventory data to SQL Servers from complex Excel sheets; Integrated customUX-Web APIs for seamless data-consumption processes and workflows
- Reduced Data Storage costs: Saved 48%|21TB of active corporate data costs by identifying & initiating archiving of 50%|5.01m inactive files for 78%|15K projects into data lakes
- Developed Live-Telemetry Dashboard: Provisioned IoT (*in C++*) with Azure Central, Deployed 30+ IoT sensors across 5 states, Pipelined Telemetry data from IoTs to SQL-database to PowerBI with on-the-fly calculations

**Lecturer - Applied Economics, San Diego State University, CA** **Jan'21 - May'21**

- Conceptualized & articulated Academic Theories in Economics, Finance and Data Analysis to my students
- Class of 64 students; Received Faculty Rating 4/4; Presented 42 lectures; 15+ group coursework; Class average: A+

**Graduate Teaching Assistant, San Diego State University, CA** **Aug'20 - May'21**

- Managed 400+ students across 5 courses over 3 semesters for Economics, Business & Finance college
- Evaluated tests, proctored exams, reviewed weekly coursework & clarified concepts during office hours

**Research Associate, San Diego State University, CA** **Sep'19 - May'21**

- Lead 9+ academic projects; *Tools:* Python, R, ArcGIS, & Stata; *Data:* 50+TB; Worked closely with colleagues in PhD
- Regressed & interpreted 400+ models, reviewed 80+ methodologies, and presented findings for 20+ papers

**Financial Research Assistant, Indian Institute of Management, India** **Sep'18 - Jun'19**

- Assisted on 'Capital Flows & Sovereign Credit Ratings' research paper; UAE Policy Analysis by archive web-scraping

**Product Management Intern, S&P Global, India** **May'17 - Jun'17**

- Implemented Index-Rebalancing for 54 S&P Indices; Conducted benchmark valuation of Private ETFs & Portfolios

**ACHIEVEMENTS & LEADERSHIP POSITIONS**

Cleared **CFA** Exam Level-1 **Jun'19**

Winners for **CFA** Research Challenge San Diego-'20; Certified for 'Outstanding Investment Research' **Feb'20**

**Co-Author** for research on 'Impact of New Businesses on Neighborhood Crimes' with Dr. Hao Fe **May'20**

Honored with a Scholarship for top of the class performance of **3.93 GPA** by Kenneth & Dorothy Scott **Jul'20**

Secured **\$23,000** budget as Vice President of Finance for Graduate Student Association, SDSU **Aug'20**

Allocated **\$1.8m** to University Projects & secured \$42,000 for Graduate Research & Professional projects **Jan'21**

**EDUCATION**

**Master in Economics (elective: MBA Finance), San Diego State University, CA** **Aug'19 - May'21**

**Post Graduate in Business Analytics, Gujarat University, India** **Jul'18 - May'19**

**Bachelor of Science in Economics, Narsee Monjee Institute of Management Studies, India** **Jul'15 - Apr'18**

**EXTRA-CURRICULARS & INTERESTS**

NMIMS: Graduation Ceremony Keynote Speaker-'18 ; Placement Executive Head-'17; Student Representative-'18

Cooking, Swimming, playing Ukulele, Soccer, F1, Novel reading, Podcasts