SHUBHAM JADHAV

Washington, DC **|** (202) 391 7538**|** shubhamjadhav@gwu.edu **|** linkedin.com/in/jadhavshubham

ACADEMIC QUALIFICATION

The George Washington University, Washington, DC   *Expected May 2024*
Master of Science in Computer Science (Current GPA – 3.83)

Fall 2022		Spring 2023		Fall 2023
CSCI 6212: Design & Analysis of Algorithms	A	CSCI 6444: Intro. to Big Data & Analytics	A-	CSCI 6366: Neural Networks & Deep Learning
CSCI 6221: Advanced Software Paradigms	A	CSCI 6364: Machine Learning	A	ECE 6885: Computer Vision
CSCI 6461: Computer System Architecture	B+	CSCI 6442: Database Systems II	A	BME 6489: Socially Assistive Robots

University of Pune, Pune, India   *June 2018*
Bachelor of Engineering in Information Technology

SKILLS

Tools: SAS, Tableau, R, MS Excel, Jupyter, Git, AWS
Programming Languages: SQL, Python, JavaScript, NodeJS, HTML, Java, C/C++

WORK EXPERIENCE

Dell Technologies, Austin, Texas
Graduate Data Science Intern   *May 2023 – Aug 2023*
- Implemented **Reusable** and **Automated** Statistical Demand Forecasting process for Infrastructure Dell products.
- **Improved** accuracy of demand planning by **12%**.
- **Reduced** human involvement in demand planning process by **6-8hrs/week**.
- Planned and developed several modelling experiments including ensemble methods to achieve higher accuracy.
- Identified exogenous variables within Dell environment and industry wide available data.
- Investigated business metrics and correlation for existing line of business through exploratory data analysis.
- **Proposed** plan of action for all stakeholders and next steps to **optimize** the forecasting process.

Sigmoid Analytics *(Astar Data LLP)***,** Bengaluru, India
Senior Data Analyst   *Apr 2022 – July 2022*
- Created **Request for Proposal** for a Fortune 1000 FMCG company to acquire new engagement for developing complex visualization tool for insight consumption at user specific level.
- Developed a document outlining process flow of existing black box reports and translate into requirement to create a **dynamic dashboard** in Tableau or Power BI tool.

Mu Sigma Business Solutions, Bengaluru, India
Senior Decision Scientist   *Jan 2021 – Apr 2022*
- Administered a team of 6 to build a **comparator arm** for Hematologic cancer.
- Performed **cross-sectional RWE studies** on the efficiency of clinical trials using statistical & mathematical modeling techniques to interpret results from **Survival Analysis.**
- Collaborated with clinical researchers to create **line of therapy** and documented the entire process for **FDA submission.**
- Led a team of 5 to create **analytical problem-solving tool** & hybrid **content & knowledge management platform** for **end-to-end data analytics pipeline** by acting as a one-stop-shop for all aspects of data science.
- **Mentored & on-boarded 20+ new talent** in skills like SQL, SAS, Web Development & Client Communication.

Research Scientist, Innovation Department   *Nov 2018 - Dec 2020*
- Productized a fully automated real-time **Human Movement Tracking System** using various Object Detection Models like Reinspect, YOLO & Mask RCNN for major US airlines.
- **Designed & Developed web-app data visualization tool** showcasing product launch & its purchase metrics compared with competitors using Agent-Based Modeling for Fortune 500 CPG clients.
- **Deployed Conversational AI prototype** for users' interaction with in-house IoT demos in the innovation laboratory.
- Awarded **4+** Spot awards in appreciation of pivotal contributions to the projects.

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Centre for Development of Advanced Computing, Pune India   *Jan 2018 - May 2018*
Data Science Intern
- Created a **near real-time data pipeline** to collect data from distributed systems and perform ETL operations.
- Developed an **interactive dashboard** using AngularJS and Java for consumption of insights by the state government.
- Achieved **32% performance improvement** over the legacy MySQL system.

Nanyang Technological University, Singapore   *June 2017*
Machine Learning Academic Intern
- Studied **Artificial Neural Networks** like RNN, CNN, and spiking neural networks.
- Worked with Hewlett Packard professionals to gain experience in **Big Data Analysis and Hadoop Software.**
- Letter of evaluation from Deputy Director, School of Computer Science & Engineering, NTU for best outgoing student.

ACADEMIC PROJECTS

Image Captioning - a system that can accurately describe the content of an image in a understandable and human readable context using Python, Computer Vision (*VGG, Inception*), and Natural Language Processing (*LSTM, GRN, RNN*)   *April 2023*

Document Analyzer - tool to find relevance of a given resume to a job description using Julia, Python, ReactJS, REST api, and Natural Language Processing (Word2Vec, Cosine Similarity Scores)   *Nov 2022*

Online Food Ordering Application - dynamic single-page food ordering website using php, JavaScript, HTML, CSS   *Dec 2017*

Bus Reservation System - end-to-end application for ticket booking using Java, Swing, and MongoDB   *Oct 2016*

ACTIVITIES

- GWU Student Association Senator representing graduate students at Engineering school (*2023-present*)
- Served as Student Council Member and Student Representative for Information Technology Department (*2016-2018*)
- Administered creative team of National Level College Technical Fest *'Tesla' and organized technical events (2015)*