

# ABHISEKH BAJRACHARYA

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## EDUCATION

University of Texas at Arlington

Bachelor of Science in Computer Science

December 2024

## COURSES TAKEN:

- \* Algorithms and Data Structures
- \* Probabilities and Statistics
- \* Operating Systems
- \* Computer Networks
- \* Software Testing and Maintenance.
- \* Database Systems
- \* Linux Systems
- \* Cloud Computing
- \* Information Security II
- \* Microsoft Power Platforms.
- \* Azure Fundamentals.
- \* Datamining

## PROJECTS

### AI-Powered Business Risk Intelligence Dashboard – 2025

- \* Developed an interactive fraud detection dashboard with Streamlit and scikit-learn for real-time CSV data analysis and visualizations.
- \* Built ML models (Random Forest, Logistic Regression, Neural Networks) to flag high-risk transactions; used SHAP for model explainability.
- \* Integrated SQL-style data filtering in Python, mirroring Excel-like vlookup workflows for business users.

### Python-Based Data Insights & Automation Toolkit – 2025

- \* Created a toolkit using Pandas, NumPy, and Seaborn for data cleaning, transformation, and exploratory analysis.
- \* Automated Excel report generation with openpyxl/XlsxWriter, including charts and statistical summaries for stakeholders.
- \* Designed a command-line interface for batch processing with parameter tuning.

### DevOps-Enabled SaaS Task Management Platform – 2024

- \* Created a cloud task app using *React.js* and *MySQL*, optimizing data models to improve query performance by ~30%.
- \* Implemented a *CI/CD pipeline* with *GitHub Actions* for automated testing and deployment, accelerating feature releases.
- \* Focused on data integrity and seamless integration between frontend and backend.

### CI/CD Pipeline for Flask Web App – 2023

- \* Developed a lightweight *Flask* application showcasing scalable web service deployment.
- \* Built an automated CI/CD workflow with *GitHub Actions* and *Docker*, ensuring testing and containerization on every push to main.
- \* Documented and tested deliverables rigorously, mirroring software QA processes used in client-facing tools.
- \* Collaborated with a team on pipeline improvements — echoing need for peer reviews and integration work.

## PROFESSIONAL EXPERIENCE

### Data Entry | JPMorgan Chase (Contract by Adecco) — Lewisville, TX | June 2025 – Present

- \* Maintained accuracy and confidentiality while processing high volumes of sensitive financial data in a fast-paced environment.
- \* Gained hands-on experience with structured data management, internal tools, and enterprise data lifecycle workflows.
- \* Supported fast-paced data handling workflows, ensuring document accuracy — similar to internal deliverable standards.
- \* Used Excel and internal tools to prepare custom documentation templates for transactions — relevant to the tool-building aspect.
- \* Contributed to improving internal ETL workflows through documentation and feedback on data flow procedures.

### Supply Chain Associate | Amazon — Irving, TX | June 2023 – June 2025

- \* Loaded packages and pallets onto outbound trailers with proper placement and distribution for safe transport.
- \* Used handheld scanners to confirm package destinations while tracking within Amazon's logistics system.
- \* Maintained a steady workflow in a fast-paced environment while meeting daily productivity and safety targets.
- \* Collaborated with ship clerks to resolve loading issues and ensured trailers moved on schedule during peak operations.

### Intern | NASA L'Space Program | May 2024 – August 2024

- \* Assisted in testing the drone payload subsystem for balance and performance under simulated lunar conditions.
- \* Created system requirement checklists and validated component integration against design specs.
- \* Reported discrepancies found during thermal and mechanical testing phases.
- \* Participated in risk analysis reviews and suggested mitigation strategies based on observed failure points.

### Supervisor | Burkes Outlet — Irving, TX | June 2022 – August 2022

- \* Used Excel for staffing logs and inventory reporting; created and managed schedules in Word and Outlook.
- \* Trained 10+ team members on scheduling and inventory systems, reducing onboarding time by ~30%.
- \* Oversaw daily store operations including cash handling, opening, and closing procedures.

### Receptionist | Office of Disabilities, University of Texas at Arlington | February 2021 – May 2021

- \* Created reports, schedules, and official correspondence using Microsoft Office tools (Word, Excel, Outlook).
- \* Automated appointment confirmation tasks using Outlook rules and Excel formulas, reducing manual entry by 40%.
- \* Handled incoming calls by directing students to appropriate campus resources with a professional demeanor.

## ORGANIZATIONS

- \* NASA L'Space Mission Concept Academy
- \* University of Texas at Arlington ACM (Association for Computing Machinery)
- \* University of Texas at Arlington Hackathon