LAVANYAA GUPTA

(602) 515-8675 | Lavanyaagupta24@gmail.com | linkedin.com/in/lavanyaagupta | github.com/lavanyaagupta

PROFESSIONAL SUMMARY

Data Science student with proven financial analysis experience and 2+ years of hands-on data analytics expertise. Skilled in Python, R, SQL, and business intelligence tools with demonstrated ability to translate complex data into actionable business insights. Strong collaborator with leadership experience and track record of delivering high-impact analytical solutions in fast-paced environments.

EDUCATION

Arizona State University, Barrett Honors College Aug 2022 - May 2026 *B.S., Data Science, Business Analytics Track, Neuroscience*
- **GPA**: 3.75 | **Dean's List**: Fall 2022 - Spring 2025 | **Phi Beta Kappa Honor Society**
- **Relevant Coursework**: Statistical Modeling & Inference, Machine Learning, Financial Analytics, Database Management, Business Intelligence, Data Analysis in R & Python

EXPERIENCE

K2 Development Company   *Jun 2025 - Present*

Data Science Intern Palo Alto, CA

• Engineered comprehensive financial analysis system using Python with data cleaning, preprocessing, and object-oriented programming to model development investments and land specifications.

• Designed interactive ROI optimization tools with scenario modeling and what-if analysis to evaluate financial performance across multiple investment strategies.

Translational Genomics Research Institute (TGen)   *Jun 2024 - Aug 2024*

Bioinformatics Intern, Helios Scholars Program Phoenix, AZ

• Developed 25+ automated data processing scripts using Bash and R, emphasizing efficient data extraction and quality assurance for large-scale datasets.

• Conducted exploratory data analysis on 12+ complex datasets, identifying significant patterns and correlations using statistical modeling techniques.

• Built predictive analytics workflows and enhanced classification model performance by 15% through feature extraction and data preprocessing optimization.

Brain, Epigenetics & Altered States of Consciousness (BEAR) Research Lab   *May 2023 - May 2024*

Computational Research Assistant Phoenix, AZ

• Founded and led bi-weekly Introduction to " training program for 15+ team members, mentoring junior analysts.

• Conducted advanced statistical analyses including ANOVA and multiple regression for behavioral research, presenting findings at professional conferences.

• Collaborated with interdisciplinary teams to analyze correlation patterns between treatment interventions and behavioral outcomes.

Study of Circuits in Adolescent Life (SOCIAL) Neurobiology Lab   *May 2023 - May 2024*

Research Assistant Tempe, AZ

• Performed comprehensive data annotation and model training for deep learning applications, achieving >90% accuracy in automated pattern detection.

• Reduced manual analysis time by 40% through implementation of machine learning solutions for behavioral pattern recognition.

• Managed large datasets and applied rigorous quality control processes to ensure data integrity and analytical accuracy.

TECHNICAL SKILLS

- **Programming & Analytics:** Python, R, SQL, Java, MATLAB, Bash, PySpark
- **Business Intelligence:** Power BI, Tableau, Excel (Advanced), Shiny Dashboards
- **Machine Learning:** TensorFlow, PyTorch, Scikit-learn, Statistical Modeling, Predictive Analytics
- **Data Management:** Database Design, Data Cleaning, ETL Processes, Data Visualization