UBAIDULLAH KHAN

heyubaidullah@gmail.com | (737) 342-5950 | [Portfolio](#) | [Github](#) | [LinkedIn](#)

WORK EXPERIENCE

InfoVision Inc (Comerica Bank) | Summer Internship — **May 2024 – Aug 2024**
Data Analyst Engineer
- Developed two automation tools and a software sub-feature using Python, SQL, and ETL pipelines, enhancing data engineering efficiency and enabling real-time data analysis for banking operations.
- Optimized daily report generation, reducing processing time by 53%, and ensured accurate regulatory reporting using Snowflake and scalable software architecture.

ScooterLab - UTSA — **Nov 2023 - Present**
Front End Systems & Engineering, RA I
- Led the end-to-end design, development, and deployment of front-end hardware systems for custom e-scooters, integrating sensors, boards, and software using 3D printing and prototype testing.
- Engineered sensor boxes with Raspberry Pi for non-sensitive data collection, securely storing data on servers for future data analysis by researchers. Hands on experience with Python, Java, AutoDesk, JS, Fusion360 & more.

CommLab LLP — **Sept 2022 – Jul 2023**
Web Manager
- Engineered backend solutions for automation software and led a web development team, delivering optimized webpages and tools for clients using HTML, CSS, JavaScript, Java, and WordPress.
- Achieved a 97% operational uptime per quarter, improving system performance and user experience for eLearning services.

Think.AI Labs — **Nov 2021 – Feb 2022**
Research Intern
- Developed backend systems for two IoT projects and co-authored a research paper on AI and IoT applications in the Supply Chain industry.

PROJECTS

Paralanguage Communication through CNN
- Developed a gesture-based communication tool for disabled individuals using CNN, leveraging Python, PyTorch, TensorFlow, and OpenCV for model training on both large and custom datasets.

Chatbot using Deep Learning
- Developed a web-based chatbot for automating communication using Deep Learning and supervised learning, leveraging Python, Keras, scikit-learn & JS to achieve high accuracy in mimicking human interactions from a large dataset.

Data-Driven Crop Yield Forecasting
- Implemented a machine learning model for sustainable food security by analyzing public datasets to forecast trends, integrating Python, scikit-learn, Pandas, and NumPy with a web framework for user-friendly predictions.

Pile up
- Developed a mobile interface to integrate with major cloud service providers, enabling metadata scraping and file identification across platforms with a search feature using Python, Django, React Native, and AWS SDK.

RESEARCH PUBLICATION

Recipe Creation Using Food Images Through Inverse Cooking
International Journal of Algebraic Statistics - Vol 13 | No. 3 | 2022

SKILLS

Technical Skills: Application Development | Automation | Big Data Engineering | Database Management | Data Visualization | Research & Development | Software development

Languages, Tools and Libraries: C | HTML | CSS | Git | Pandas | Tensorflow | Jupyter | Java | JavaScript | Github | Numpy | PyTorch | Hadoop | MySQL | Python | VS Code | Snowflake | Matplotlib | Spark

Soft Skills: Critical Thinking **|** Problem Solving | Teamwork | Verbal & Written Communication | Leadership

EDUCATION

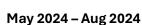**University of Texas at San Antonio**
Masters - CS | Aug 2023 - May 2025 | 3.77/4

Jawaharlal Nehru Technological University – LIET
Bachelors - CS | Jul 2018 - Aug 2022 | 3.8/4

LEADERSHIP, VOLUNTARY ROLES, CERTIFICATIONS & AWARDS

President - Lords Entrepreneurship Development Cell | **Core Committe Vice President -** AIESEC in Hyderabad
Microsoft Office Specialist | **Best Research Poster III** (2024) | **Customer Acquisition Award** (2023) | **Leader of the Year** (2022)