

# ANOUSHKA MERGOJU

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## EDUCATION

**Syracuse University, New York, USA**

**Aug 2022 – May 2024**

*Master of Science in Computer and Information Sciences*

*GPA: 3.4/4*

**Coursework:** Data Science, DBMS, NLP, OS, Advanced Algorithms, OO Design, Advanced CA, Cryptography

**GITAM University, Hyderabad, India**

**July 2018 – July 2022**

*Bachelor of Technology in Computer Science Engineering*

*GPA: 3.7/4*

**Coursework:** Data Structures, AI/ML, Cloud Computing, Web Technologies, Software Engg., Social Networks

## TECHNICAL SKILLS

**Languages/Database:** Python, Java, C, C++, UNIX, HTML/CSS, JS, XML, SSMS, Mongo, MySQL, OracleDB, Postgre

**Frameworks:** TensorFlow, Keras, Scikit-learn, NLTK, PySpark, XGBoost, OpenCV, SpaCy, Seaborn, Plotly, HuggingFace, Node.js, React.js, Next.js, Flask, Angular, SpringBoot, Maven, Gradle, JUnit, PyTorch, Django, Streamlit

**Tools:** Tableau, Power BI, Kafka, Spark, Databricks, MS Excel, Virtual Box, Docker, Kubernetes, GIT

**IDEs:** Jupyter, Visual Studio, PyCharm, Colab, Weka, IntelliJ, Eclipse, Netbeans, Kaggle, Sublime Text

**Cloud, OS, APIs & Methodologies:** AWS, Azure, Windows, REST, Postman, Linux, Ubuntu, Agile, Scrum, CI/CD

**Certifications:** Azure (Data Engineer Associate, Data Science Associate), PagerDuty DevOps, AWS Cloud Practitioner

## WORK EXPERIENCE

**Operations Research Data Analyst**

**May 2023 – Dec 2023**

*Syracuse University - College of Engineering & Computer Science*

*Syracuse, NY*

- **Tech Stack :** ML, Node.js, Jupyter, SimuLink, OpenWeatherMap API, Google Maps JavaScript API, AWS
- Led data architecture for Drone Delivery project, creating data pipelines and boosting efficiency by **30%**
- Enhanced data efficiency by **40%** with ETL process implementation, AWS integration, and statistical methods
- Developed algorithm reducing delivery times by **15%** and costs by **5%** using DP and ML compared to recent research

**Data Analyst**

**May 2022 – Aug 2022**

*InfyBytes AI Labs Private Limited - the homework app*

*Bangalore, India*

- **Tech Stack:** PyCharm, EDA, Regression, Tableau, Seaborn, Excel, LinkedIn, Internshala
- Improved operational efficiency by **10%** through advanced Python scripting for HR data analysis
- Boosted workforce productivity by **12%** with data-driven recruitment and retention strategies, visualized using Tableau

**Python Developer**

**Mar 2021 – June 2021**

*CodeSpeedy Technology Private Limited*

*Hyderabad, India*

- **Tech Stack:** Machine Learning, NLTK, TensorFlow, Keras, Scrapy, PyTorch, Scikit-Learn
- Built a ChatBot with **95%** user satisfaction and developed a heart attack prediction model, improving accuracy by **20%**
- Published projects on 'Coders Packet'. [Contribution Link](#)

## PROJECTS

**My Website** | *HTML/CSS, JavaScript, React.js, Next.js, Node.js, npm, GitBash, Vercel* [Git](#)

**May – July 2024**

- A personal portfolio showcasing my projects, skills, and experience

**WellBot: AI Health Support Chatbot** | *NLP, SVC, Decision Tree, AI ChatBot Development* [Git](#)

**Feb – May 2024**

- Implemented a mental health support module within an NLP-powered chatbot, increasing user engagement by **25%**; connected over **2,000** users to **500+** healthcare specialists and better symptom classification accuracy by **13%**

**Real-Time Event Processing System** | *Python, Azure EventHubs, Apache Spark, fastavro, Bash* [Git](#)

**July – Oct 2023**

- Developed a system that consumes and processes real-time event data from Azure Event Hubs, which are serialized in Avro format. The system will analyze the data to generate insights and visualizations

**Smart TextBook Exchange Web Application** | *Java, SpringBoot, MongoDB, Postman, REST* [Git](#)

**Feb – May 2023**

- Led an Agile team of **4** to develop a web application for trading over **1,500+** used textbooks, using Spring Boot and Mongo. Boosted speed by **25%** and user satisfaction by API integration and testing with Postman and REST

**Hybrid Movie Recommendation System** | *Python, ML, NLP, SVM, KNN, TF-IDF* [Git](#)

**Sept – Dec 2022**

- Engineered a hybrid recommender system harnessing **25 million** ratings, amalgamating popularity, content, collaborative-filtering, and latent-factor, resulting in a notable **2.6%** precision uplift over conventional benchmarks