

# YASHAS CHANDRA BATHINI

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🔗 <https://yashas144.github.io/web/>

## PROFILE

An ambitious and creative graduate in Information Technology with a strong academic background. Motivated and meticulous mindset to complete tasks efficiently and effectively. At present pursuing Master's in Data Science at the University of North Texas. Proficiency in Python, Java, ReactJS, and JavaScript. Internship Experience in data analysis, data visualization, Artificial Intelligence, and Machine Learning models.

## EDUCATION

**Master of Science - Data Science** 08/2024 – 05/2026  
*University of North Texas* Denton, Texas

- **GPA: 4 / 4 CGPA.**
- **Relevant Coursework:** Supervised and Unsupervised Machine Learning Methods, Deep Learning, Foundations of Artificial Intelligence, Software Development for AI-based systems, Neural Network Architecture, Fundamentals of Data Science, Principles & Techniques for Data Science, Data Visualization, Discovery & Learning with Big Data, and Applied Machine Learning for Data Scientists.

**Bachelor of Technology - Information Technology** 09/2020 – 04/2024  
*Jawaharlal Nehru Technological University, Hyderabad* Hyderabad, India

- **3.7 / 4 CGPA**, Ranked in Top 10 % of class
- **Relevant Coursework:** C, Java, Python, Computer Networks, Data Structures and Algorithms, Software Engineering, Web Application Development, Blockchain Technology, Cyber Security, MySQL, Artificial Intelligence, Machine Learning, Operating Systems, Probability and Statistics, Internet of Things.

## SKILLS

**Artificial Intelligence / Machine Learning::** Fundamentals of Artificial Intelligence, The Architecture, Project Management and Security of AI-Based Systems, Familiar with Artificial Neural Networks, Pattern detection, Clustering, Regression, Ensemble modeling, Forecasting, Support Vector Machine, Random Forest, Tensorflow, Keras, PyTorch, PySpark, Seaborn, and Scikit-learn.

**Data Science:** Tableau, NumPy and Pandas.

**Programming languages:** Python, Java and C

**Web application development:** React JS, Node JS, HTML, CSS, JavaScript.

**Cloud:** Azure

**DBMS: Relational and Cloud databases:** MySQL, SQL Server, and Snowflake DB.

**Software Engineering Methodologies:** Agile, Scrum

**Adept in communication and interpersonal skills.**

## PROJECT EXPERIENCE

**fMRI Brain Research Project** 06/2025 – present  
Currently doing extensive work to find suitable brain related datasets and develop a innovative, cutting-edge AI model.

**Sentiment Analysis on Amazon Fine Food Reviews** 05/2025 – 06/2025

- **Tools & Technologies:** Python, Seaborn, NLTK, VADER, Transformers, Hugging Face, RoBERTa.
- Performed NLP-based **sentiment classification** on **500k+ Amazon food reviews**, with a rule-based (VADER) and deep learning (RoBERTa) setting.
- **Fine-tuned RoBERTa model** achieved **92% accuracy** and **VADER** achieved **84% accuracy** on labeled review data.

**Research Project: Building a Generative Adversarial Network using Image Synthesis** 01/2024 – 04/2024  
**Research paper:** <https://ijsrem.com/download/building-a-generative-adversarial-network-for-image-synthesis/>  
- **Tools & Technologies:** Python, Deep Learning, Neural Networks, Variational Autoencoders, TensorFlow, PyTorch, Stable Diffusion Pipeline.

- Designed and implemented a Generative Adversarial Network (GAN) for high-quality image synthesis using deep learning frameworks such as TensorFlow and PyTorch. Documented findings in a peer-reviewed research publication accepted by IJSREM.

## PROFESSIONAL EXPERIENCE

**Artificial Intelligence / Machine Learning Internship** 01/2024 – 02/2024  
*Nexus Info*

- **Tools & Technologies:** Python, Named Entity Recognition, NumPy, Pandas, Seaborn, Scikit-learn, Tensorflow, Keras, Tableau, SQL, Microsoft SQL Server, Visual Studio (VS) Code, Microsoft PowerPoint.
- Built and optimized ML models improving model accuracy by 15% on datasets with 100K plus rows.

## CERTIFICATIONS

<b>Machine Learning with Big Data</b> Coursera	<b>Introduction to Data Science</b> Cisco	<b>Career Essentials in Generative AI</b> Microsoft and LinkedIn
<b>AWS Fundamentals: Addressing Security Risk</b> Coursera	<b>AWS Fundamentals: Migrating to the Cloud</b> Coursera	<b>Python Essentials - 1</b> Cisco