# MEGHANA BASAVARAJU

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## EDUCATION

**University of New Haven** — **West Haven, Connecticut, USA**
*MS in Computer Science* — *Aug 2023 - May 2025*
Relevant Course Work: Python, Computer Vision, Data mining, Introduction to AI, C, C++, Data Structures , Computer Networks
GPA - 3.96/4.0

**Ramaiah Institute of Technology** — **Bangalore, Karnataka, India**
*Btech in Electronics and Communication* — *Aug 2016 - Aug 2020*
Relevant Course Work: C, Machine Learning, Linear Algebra, Data Structures and Algorithms
GPA - 8.5/10

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C++, R, SQL, JavaScript, HTML/CSS
**Libraries and Tools:** PyTorch, Sklearn, Pandas, Numpy, OpenCV, matplotlib, tensorflow, Git, Docker
**Databases:** Oracle, MySQL, PostgreSQL, BigQuery, Redshift
**Web Technologies:** React, Flask, Node.js, IPFS, Solidity
**Financial Engineering:** Quantitative algorithms, Order matching, Machine Learning models
**Cloud :** Google Cloud (IAM, BigQuery, Airflow), AWS, Git, Docker
**Familiar with :** Big data, PySpark, Hadoop, Pig
**ML Architectures:** CNN, RNN, Autoencoders, YOLO, Transformers(BERT, LSTM)

## WORK EXPERIENCE

**Digital Specialist Engineer**
*Infosys, Karnataka, India* — *March 2021 - August 2023*

- Developed and automated ETL pipelines for data extraction from databases like Postgres and Oracle.
- Reduced development time by optimizing Python and Java code for client Altice USA.
- Led migration of legacy Python scripts and transformation of Java code to Spring Boot architecture.

## ACADEMIC PROJECTS

- **Order Book Simulation Project**, Developed a real-time trading system simulating order matching with efficient algorithms, demonstrating strong proficiency in Java, and leveraging quantitative finance concepts. GitHub
- **Decentralized Voting System**, Developed a voting platform using React, Solidity, Ethereum, and IPFS for transparent, tamper-proof voting. Integrated MetaMask for secure authentication and IPFS for decentralized data storage. Used Truffle and Ganache for contract development and testing. GitHub
- **Detect Fake Text**, Implemented a Fake Text Detection system using KerasNLP's LLM with the DeBERTaV3 classifier, achieving a remarkable AUC of 0.99 and minimal loss of 0.069. This advanced model efficiently identifies and flags fake or misleading text, bolstering content authenticity assessment and promoting trustworthy information dissemination. GitHub

## CERTIFICATIONS

- Udemy Google Cloud Cerification Link
- Infosys Certifies google cloud architect Professional Link
- Udemy Data Science using python Link
- Coursera Neural Network and Deep Learning certificate Link

## ADDITIONAL SKILLS

- Excellent oral and written communication, presentation skills, and ability to clearly articulate findings.
- Strong analytical, quantitative, and problem-solving skills with a demonstrated interest in financial engineering and machine learning applications.