

RAJA ANKUSH REDDY

+1(812) 974-3654 [◇ ralucky@iu.edu](mailto:ralucky@iu.edu) [◇](#) [in](#) [ankush-reddy](#)

EDUCATION

Indiana University Bloomington

Master of Science, Computer Science

Aug 2023 - May 2025

GPA: 3.95/4

Relevant Coursework: Applied Machine Learning, Applied Database Technologies, Applied Algorithms.

Vellore Institute of Technology

Bachelor of Technology, Computer Science and Engineering

July 2018 - May 2022

CGPA: 9.07/10

Relevant Coursework: Data Structures and Algorithms, Database Management System, DWDM.

WORK EXPERIENCE

NatWest Group (Royal Bank of Scotland)

Chennai, India

Software Engineer

July 2022 - July 2023

- Led the seamless migration of the economic capital application from SAS to the AWS cloud platform within the Finance and Risk Solutions Business Unit's Economic Capital team.
- Developed the EC application using Python, PySpark and Airflow enhancing financial stability calculations.
- Achieved a 30 % increase in platform performance by replicating full SAS functionality on AWS.
- Ensured seamless system access for 20,000+ employees, maintaining operational continuity.
- Integrated advanced big data technologies, improving data management workflows.
- Collaborated with cross-functional teams to deploy new features, resulting in enhanced system reliability.

Shiash Info Solutions Pvt.Ltd

Chennai, India

Developer Intern

Jan 2022 - June 2022

- Engineered a cutting-edge application leveraging NLP and ML to detect emotions and extract named entities.
- Optimized system performance to process 1,000+ inputs per second, enhancing data analysis capabilities.
- Engineered an NER model that reduced resume screening time by 50%, increasing HR efficiency by 80%.
- Leveraged Emotion Detection via NLP to analyze user-generated data, achieving an accuracy rate of 85 percent.
- Primarily derived insights from text sources like user comments and occasionally from voice inputs, potentially boosting decision-making accuracy by up to 25 percent.

TECHNICAL SKILLS

Programming Languages

Java, Python, C++

Web Technologies

HTML, CSS, JavaScript, React, SpringBoot, SQL, Angular

Frameworks/Libraries

AWS, Django, Flask, Pandas, NumPy, Matplotlib, Scikit-Learn, PyTorch, Tensorflow, Keras, Seaborn, PySpark

Data Science

Exploratory Data Analysis, Machine Learning, Data Mining, Artificial Intelligence etc

Developer Tools

Git, VS Code, IntelliJ, Spring Tool Suite, Postman, Jira, Docker, Google Colab, PyCharm, Jupiter Notebook, Tableau, CI/CD Pipeline

PROJECTS

WatchIt | *React, Java, SpringBoot, MySql Database*

- Developed a movie recommendation system that streamlined the process for users to browse, search, and book movie tickets, significantly improving user engagement.
- Implemented advanced search functionality and real-time booking capabilities, ensuring accurate availability updates and a seamless ticket purchasing process.

Predicting Mental Health issues in Tech Work Place | *ETL, Data Analysis, ML, Python, Feature Engineering*

- Employed various Python machine learning classification algorithms to analyze and predict mental health disorders in the tech sector, achieving a 92 percent accuracy rate.
- Executed a comprehensive project covering data pre-processing, normalization, visualization, and deployment of a wide range of ML techniques, resulting in a 95 percent precision rate.