


Kankipati Aryabhata Narasimha Rao

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Education

Eastern Illinois University (GPA: 4.00)

August 2026

Master's in Technology

Illinois, US

- **Relevant Coursework:** Python, Advance Database, Research in Technology, Leadership in Technology, Total Quality Systems, Java, Computer Networks, Global Technology.

Experience

Capgemini

Oct 2022 – Feb 2024

Senior Software Engineer

Bangalore, Karnataka

- Experienced in creating responsive and user-friendly web pages using HTML, CSS, and JavaScript, resulting in a **60% improvement** in user interaction and data visualization using frameworks like Bootstrap and ChartJS.
- Highly skilled in Python, including libraries like NumPy and Pandas, leading to a **75% increase** in code efficiency through optimization and advanced techniques such as asynchronous programming and decorators.
- Strong understanding of SQL for database design, query writing, and performance optimization. Proficient in using Flask to develop scalable web applications, which improved data handling security and efficiency by **80%**.
- Experienced in implementing machine learning algorithms for predictive modeling and classification tasks, enhancing decision-making capabilities.
- Skilled in applying artificial intelligence techniques to automate data preprocessing and improve workflow efficiency.

Capgemini

Feb 2022 – May 2022

Software Intern

Remote

- Acquired data science expertise, analyzing large datasets to unveil trends, improving model performance by **20%**.
- Proficient in preprocessing both structured and unstructured data to construct machine learning models for loan prediction, ensuring data quality and improving model accuracy by **30%**.
- Utilized Python for data manipulation and model building, and employed Power BI and Tableau to create **50% more effective** interactive visualizations and dashboards to present insights.

Projects

OPS TOOL | Flask, Python, HTML, CSS, JavaScript, SQLAlchemy, AWS

- Designed user-friendly interfaces with HTML, CSS, and Bootstrap, reducing manual work for data management tasks by 75% and improving data analysis efficiency by 60% through interactive ChartJS visualizations.
- Contributed to maintenance and ongoing development of the tool, addressing 100+ issues, enhancing features, and ensuring data accuracy and security, resulting in an 80% increase in user satisfaction.

Intelligent Robot for Smart City Application | Python, Robot, Teachable Machine, Blynk

- Designed an intelligent robot which moves automatically and stops when it detects objects then classifies the object as garbage or non-garbage based on trained data set and if it's garbage the robot arm will pick the garbage using Blynk IOT controlled by humans.

Covid Patient Health Monitoring and Tracking System | Arduino, C, sensors

- Developed a Wi-Fi module-based remote patient monitoring system for real-time transmission of vital signs to healthcare providers, improving patient care.

Credit Card Fraud Detection | Python, JavaScript, HTML, CSS, Bootstrap, ChartJS, Scikit-learn, SQL, Pandas, NumPy

- Developed machine learning fraud detection models using Python and Scikit-learn, achieving 92% accuracy and reducing false positives by 70%.
- Created interactive dashboards with Matplotlib and Seaborn, boosting data analysis efficiency by 65%.

Technical Skills

Languages: C, Python, Java, HTML, CSS, JavaScript, SQL, Matlab

Technologies: Flask, Bootstrap, AWS, Arduino, Blynk, BigData, React, ChartJS, Scikit-learn, SQL, Pandas, NumPy

Concepts: Cloud Computing, Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Cloud Computing