Kankipati Aryabhatt Narasimha Rao

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Education

Eastern Illinois University   August 2026
Master's in Technology   *Illinois, US*
BMS Institute of Technology and Management   May 2022
Bachelor of Electronics and Communication Engineering (GPA: 3.55 / 4.00)   *Karnataka, India*

- **Relevant Coursework:** Introduction to Data Structures and Algorithms, Python, C Programming, Digital Communication, Operating System, Embedded Systems, Network Security.

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%**.

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*

- A steady checking and control instrument to screen the patient's condition and store the patient information in specialists utilizing Wi-Fi Module based distant correspondence.

Sun Flower Technology | *Arduino, LDR, Dc Motors*

- Created a solar panel model that autonomously tracks the sun's position, optimizing the angle for maximum sunlight intensity and increased power output.

Technical Skills

Languages: C, Python, Java, HTML, CSS, JavaScript, SQL, Matlab
Technologies: Flask, Bootstrap, AWS, Arduino, Blynk, BigData, React
Concepts: Computer Netowrks, Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Cloud Computing