**Manu Sharanya Bhadriraju**

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**EDUCATION**

**Jawaharlal Nehru Technological University (college – KMIT) July 2019 August 2023**

Bachelor of Technology (CSE)  **CGPA: 7.89 *Relevant Courses:*** Data Structures and Algorithms | Computer Networking | Object-Oriented Programming | Computer Organisation and architecture | Operating System | Database Management | Machine learning

**PROJECTS**

**Language Detection and Translation in Chat App June 2022 - August 2022**

* Technology stack used – Python, NLP libraries, Web Sockets and Flask
* Developed the logic for language detection and translation, ensuring robustness and optimization to handle diverse languages effectively.

**SSDP Attacks Detection Using Naive Bayes Classifiers June 2023 - November 2023**

* Implemented Gaussian and Bernoulli Naïve Bayes classifiers to detect SSDP attacks with wrapper feature selection methods (Python, Scikit-Learn, Pandas and NumPy).
* Authored the research paper and received acceptance for presentation and publication at IEEE DELCON 24 conference.

**A Binary and Multiple Class Heart Disease Severity Level Prediction Model February 2023 - April 2023**

* ML algorithms used: SVM, gradient boosting decision trees, etc. Web development – Flask. Database: SQLite.
* Developed AI models for binary and multi-class predictions of heart disease severity, facilitating tailored medical interventions.
* Led a team of four members, coordinating efforts in AI model coding, frontend development, and backend development.

**WORK EXPERIENCE**

**Software Engineer - I | NCR Voyix**  **Jul 2023 - Present**

* Developed and tested flexible features and configurations for FastLane self-checkout service using.NET framework, Jenkin, XML and C++ to cater to the requirements of retailers.
* Provided support to resolve unexpected issues and decreased the issue count (KPI count) by 10%.
* Taught and shared my insights on Python to my teammates during knowledge transfer sessions.
* Utilized agile methodology for timely delivery, leading to a five-year extension of our client contract.

**Software Engineer Intern | NCR Voyix Feb 2023 - Jul 2023**

* Assisted the team in implementing solutions through coding in C++ and applying OOPs concepts.
* Honed my problem-solving skills and developed further understanding in .Net Framework, XML and C++.

**Research Intern | Udaan R&D Centre (KMIT) June 2021 - September 2021**

* Studied and explored various neural networks including CNN and RNN.
* Applied segmentation on whole slide images (WSI) to detect breast cancer and increased the accuracy to 80%.
* Conducted knowledge transfer sessions to update my findings.

**EXTRACURRICULAR ACTIVITIES**

* Participated in timed 10 km runs conducted by Hyderabad Runners and IIFL JITO AHIMSA (registered in World Records India & World Book of Records, London).
* Participated in Ethical Hacking Workshop conducted by IIT Hyderabad.
* Published technical blogs on Machine Learning concepts on my [personal website](https://www.manusharanya.com/blog).
* Served as a core member of Women in NCR (WIN) and hosted technical workshops at NCR VOYIX.
* Volunteered as a **teacher at the Robin Hood Army**, a non-profit organization.
* Served as a Core Committee member of the Student Council and **mentored students in the Technical Club**.

[Leadership Certificate](https://drive.google.com/drive/folders/1--TQT6aAYFtNWF1JMiVkAbYLNUtI_AxE?usp=drive_link)

* Led the Sports Club and contributed as an artist at the Arts club.

**ACHIEVMENTS**

* Secured first place in National Level Post COVID-19 Awareness Hackathon conducted by the department of computer science and engineering, SNS college of Technology.

**SKILLS**

**Languages:** English (Proficient) | Hindi (Proficient) | Telugu (Native)

**Technical Languages:** C++, Python, Java, HTML+CSS | **Database:** MySQL and SQLite

**Frameworks/ Libraries:** .Net, Flask, OpenCV, TensorFlow, Sci-kit learn, NumPy, Pandas

**Certifications:** Data Science for EngineersCourse (NPTEL) | Social Networks (NPTEL)| Machine learning Course (Stanford)