

# PHANENDHAR REDDY KUSUMA

Full Stack Developer | GitHub: <https://github.com/phanendharreddy> | LinkedIn: <https://www.linkedin.com/in/phanendharreddy/>

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## EDUCATION

Master of Science in Information System Technologies  
Wilmington University, New Castle, DE

August 2023 – May 2025

Bachelor of Technology in Computer Science and Engineering  
Jawaharlal Nehru Technological University Hyderabad, Telangana, India

July 2018 – August 2022

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python
- **Web Technologies & Frameworks:** HTML, CSS, JavaScript, React.js, Node.js, Spring Boot
- **Databases:** MySQL, PostgreSQL
- **Cloud Platforms:** AWS
- **Operating Systems & Version Control:** Linux, Windows, Git, GitHub
- **IDEs/Tools Build Tools:** Eclipse, VS Code, Spyder, Maven

## WORK EXPERIENCE

Ellipse Technologies Private Limited  
Full Stack Developer

August 2021 – July 2023

- Engineered full-stack web applications using Java, React, and Node.js, improving platform performance and user experience.
- Designed and deployed scalable RESTful APIs and microservices with Spring Boot and MongoDB, enhancing system scalability by 40%.
- Increased front-end interfaces with HTML, CSS, JavaScript, and Bootstrap, boosting cross-device usability and increasing user engagement.
- Integrated testing frameworks such as JUnit and Selenium, reducing production defects and improving code reliability.
- Led Agile team collaboration with Git, Jira, and Jenkins, streamlining continuous integration/deployment pipelines and accelerating release cycles by 20%.

## PROJECTS

Extension of Lexicon Algorithm for Sarcasm Detection

February 2022 – May 2022

- Enhanced lexicon-based algorithm to improve sarcasm detection accuracy on a benchmark Twitter dataset, achieving increase in precision compared to previous models.
- Implemented Python-based sarcasm detection pipeline, processing tweets for model training and performance evaluation, improving recall by 15%.
- Conducted rigorous performance analysis, identifying key factors influencing detection, and optimized the model, resulting reduction in false positives.
- Refined sarcasm detection algorithm based on insights from large-scale evaluations, improving overall model accuracy by 18% in sarcasm identification.

Cyberbullying Detection using Deep Learning

October 2021 – December 2021

- Developed a Python-based deep learning system, optimizing data storage, processing, and output layers, reducing model training time and increasing accuracy.
- Employed a comprehensive data pipeline for cyberbullying detection, including data cleaning and feature extraction, which improved detection precision by 20%.
- Trained and deployed machine learning models, achieving accuracy in detecting cyberbullying on a social media dataset.

## CERTIFICATIONS & ACHIEVEMENTS

- Completed Blockchain Specialization Course – University of Buffalo and the State University of New York.
- Mastered Java Build Automation with Maven – LinkedIn Learning.
- Acquired knowledge in Introduction to Software Engineering – IBM.
- Completed Blockchain Specialization Course – Coursera.
- Gained expertise in Introduction to Data Warehousing – Udemy.
- Joined in Software Engineering Virtual Experience, JPMorgan – Forage.com.
- Completed Advanced Software Engineering Virtual Experience, Walmart – Forage.com.
- Secured Top 10 position and won Best Themed Hack [MLH] and Best .Tech Domain Name awards for the QuickHealth AI project at HackNJIT 2024 by developing an innovative AI-driven healthcare solution.