

Arunkumar Aluru

Nellore, Andhra Pradesh | aluruarunkumar19@gmail.com | +91 9390396727 | <https://>

www.linkedin.com/in/arunkumaraluru/ | <https://github.com/Arun949>

AI Researcher

B.Tech Computer Science graduate with strong foundations in data structures, programming, and software development. Hands-on experience in AI/ML projects including renewable energy forecasting and real-time sentiment analysis tools. Skilled in Python, Java, and full-stack development, with a keen interest in building scalable, intelligent systems. Possess strong communication skills, a collaborative mindset, and the flexibility to work in dynamic, fast-paced environments.

Education

Kalasalingam Academy of Research and Education , AIML in Computer Science	July 2021 – May 2025
<ul style="list-style-type: none">• GPA: 7.97• Coursework: Artificial Intelligence & Machine Learning, Deep Learning & Neural Network, Natural Language Processing (NLP), Data Structures & Algorithms, Database Management Systems (DBMS), Software Engineering	

Skills

- **Languages:** Java, Python, SQL
- **Frontend:** HTML, CSS, Basics of JavaScript, Firebase
- **Concepts:** Data Structures, Deep Learning, LLM, SDLC, Neural networks
- **Databases & Clouds:** MySQL
- **Tools:** Visual Studio, Eclipse IDE, Jupyter Notebook
- **Soft Skills:** Team collaboration, communication, multitasking, adaptability

Machine learning Intern(Remote) , Teachnook – Bengaluru, India	June 2023 – Aug 2023
<ul style="list-style-type: none">• Developed a CNN-based Pneumonia Detection System using chest X-rays with 95% accuracy and deployed it via a Flask web app.• Optimized model performance with data preprocessing and collaborated on real-world validation.	

Projects

Renewable energy prediction using Deep learning and Generative AI	github/ Renewable energy
<ul style="list-style-type: none">• Designed LSTM and CNN models to predict solar and wind energy generation from historical data.• Integrated Generative AI for improved forecasting accuracy; published in ICICNIC 2024 (IEEE Conference).	

Crypto Price Prediction	github/ Crypto Pridiction
<ul style="list-style-type: none">• Developed a full-stack crypto price prediction dashboard using React.js and Flask with real-time forecasting.• Integrated RESTful APIs and deployed the app using GitHub Actions and Docker for automation and scalability.	

Publications

Renewable energy prediction using Deep learning and Generative AI	Dec 2024
T. John Institute of Technology, Bengaluru, India https://ieeexplore.ieee.org/document/10823172	

Certifications

Languages: Python, Java, Deep Learning in Neural Networks

Technologies: Neural Networks, UX Design