

SHIRUPA KAMAL

Computer Science Engineer (Artificial Intelligence and Machine Learning)

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SUMMARY

Engineering student passionate about Artificial Intelligence, Machine Learning, and web development, with experience in Neural Architecture Search and Predictive analytics. Skilled in developing data-driven solutions, including photovoltaic power forecasting and recipe recommendation systems. Achieved good ranks in hackathons and holds certifications in TCS Ion and Salesforce.

EDUCATION

B V Raju Institute of Technology Bachelor of Technology in Computer Science Engineering (AI & ML)	Nov 2022 – Present CGPA:8.54
MJPTBCWREIS Junior College Intermediate	Aug 2020 - Sep 2022 Percentage :91.3
Paramita High School High School	Nov 2019 - Aug 2020 GPA : 10.0

PROJECTS

AutoNAS: Neural Architecture Search Without a Dataset

- Used Natural Language Processing(NLP) and AutoKeras to process user input and find the best neural network architecture through Neural Architecture Search.
- The best architecture is generated without needing a predefined dataset.

Photovoltaic Power Forecasting using Machine Learning and Deep Learning

- Gradient Boosting is used for short-term power forecasting, effectively capturing complex patterns in the data for improved accuracy.
- LSTM is used to predict long-term power output by analyzing past trends for accurate yearly and future forecasts.

AI-Based Cotton Disease Detection and Pesticide Suggestion System

- Implemented CNN and Random Forest to detect cotton diseases using Image Processing.
 - Suggested pesticide recommendations based on detected disease and cultivated land size.
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SKILLS

Technical Skills

- Programming Languages: Java, Python, C
- Web Development : HTML, CSS, Java Script
- Database Management: MySQL

Soft Skills

- Problem-Solving, Communication, Leadership, Adaptability, Time Management, Creativity.
- Languages : English, Telugu, Hindi.

EXPERIENCE

Google for Developers & EduSkills

Jan 2025 - Mar 2025

AI-ML Virtual Internship

- Completed a 10-week virtual AI-ML internship by gaining hands-on experience in machine learning methodologies.

IBM SkillsBuild

Oct 2024 - Nov 2024

Mastering data with Machine Learning Virtual Internship

- Worked for two weeks on ML tasks, gaining hands-on experience, and built a Recipe Recommendation System for personalized recipe suggestions.

CERTIFICATIONS

- Conference selection:** Our research paper was accepted for presentation at the 1st International Conference on Applied AI and Machine Learning
- AIML Certification** – Infosys Springboard
- AWS Academy Cloud Foundations** – Amazon Web Services Training and Certification (AWS)
- NPTEL Certification** - Soft Skills , DAA , Python.
- TCS iON Career Edge** - Young Professional course by Tata Consultancy Services (TCS iON).

TECHNICAL EVENTS

SMART INDIA HACKATHON

 2024

- Competed in a national innovation challenge and ranked in the inter-college top 40.

TECHGIUM

 2024

- Proposed an innovative idea on Neonatal Care Unit Development, enhancing infant care through advanced technology.

Web Development Workshop

 2023

- Gained hands-on experience in building websites using HTML and CSS.

CLUBS

Street Cause

Volunteer

📍 BVRIT

- Volunteered with Street Cause, contributing to social welfare initiatives and community development through fundraising and outreach programs.