Sri Harsha Kota

+91-7337434656 | sriharshakota2004@gmail.com
linkedin.com/in/sri-harsha-kota | github.com/Cloudbed-invi
Krishnankovil, Tamil Nadu, India

Summary

Passionate CSE AIML student with a strong interest in various aspects of Computer Science, extending beyond AIML specialization. Fast learner with excellent retention of coding theory and complex concepts. Adept at leveraging AI tools for code generation, debugging, and model development. Practical experience in IoT, AI integration, and cybersecurity exploration including Kali Linux operations. Exceptional typing speed of 80 WPM constantly with leadership qualities and deep passion for technology.

Education

Institution (Location)	Qualification	Performance	Duration
Kalasalingam Academy of Research and Education			
Krishnankovil, Tamil Nadu *Relevant Coursework: Data Structures, Algorithms, Machine Learning, Deep Learning, Computer Networks, Operating Systems*	B.Tech in CSE (AIML)	8.78/10	2022–*Expected 2026*
Bhashyam Educational Institutions			
Guntur, Andhra Pradesh *Relevant Coursework: Maths, Physics, Chemistry*	Intermediate (MPC)	93%	2020–2022
AP Model School & Junior College			
V ReddyPalem, Andhra Pradesh	SSC	98.33%	2018–2020

Technical Skills

Programming Languages: Python (Intermediate), Java (Beginner)

AI/ML Frameworks: TensorFlow, NumPy, Pandas

Tools & Platforms: Git (Proficient), Kali Linux (Intermediate), Cisco Packet Tracer (Proficient), Microsoft Office Suite

Operating Systems: Linux (Comfortable with script execution), Windows (OS installation, system optimization), Android (Custom ROM flashing)

Networking: TCP/IP, Routing, Subnetting, Network Configuration (Theoretical knowledge with practical Cisco experience)

Areas of Interest: IoT, Cybersecurity, AI Integration, Mobile OS Customization

Languages: Telugu (Native), English (Fluent), Hindi (Basic), Japanese (Learning)

Projects

Beyond Dots: Assistive Braille-to-Text Conversion System Jul 2023 – Present

Team Leader, Lead Programmer *KARE Team*

- Designed and implemented a Raspberry Pi-based assistive system to capture Braille dot inputs (Perkins Brailler style) and convert them into readable plain text using Python
- Developed a web interface to display converted text from multiple students simultaneously, enabling real-time classroom monitoring for teachers
- Integrated Nemeth code support to allow accurate Braille-to-text conversion of mathematical content
- Contributed to a global collaboration with EPICS, Purdue University focusing on accessible education solutions for visually impaired students
- Project Video: LinkedIn Post

Sentiment Analysis for Business Insights Jul 2024

Team Leader, Lead Programmer *KARE Team*

- Developed an end-to-end sentiment analysis system that scrapes product reviews from Flipkart using Python web scraping tools
- Evaluated multiple transformer models (BERT, RoBERTa, DeBERTa), achieving the best performance with RoBERTa for sentiment classification
- Implemented keyword extraction and frequency analysis from custom positive/negative keyword lists to identify major customer pain points and product strengths
- Integrated Google Gen AI to generate automated, actionable product improvement reports based on negative sentiment trends
- Delivered a scalable solution to support businesses in rapid market sentiment tracking and data-driven product optimization
- Project Video: LinkedIn Post

Custom Android ROM Exploration Ongoing

Custom Android ROM Tester

- Tested and experimented with various custom Android ROMs (LineageOS, crDroid, Corvus OS, Rising OS, Evolution X) on a Redmi 9 Power (unofficially)
- Gained practical experience in flashing custom ROMs, understanding Android system architecture, and troubleshooting mobile operating system issues
- Developed expertise in safety net fixes using modules, sound modifications, and basic bootloop troubleshooting
- Actively reported bugs and provided feedback to developers in Telegram communities

Key Strengths & Achievements

Fast Learner: Quick grasp of new concepts, particularly in coding theory with excellent retention

Leadership: Natural leader with experience in team management and project coordination

Technical Proficiency: 80 WPM typing speed constantly, up to 110 WPM for short bursts

Problem Solving: Effective use of AI tools for code generation, debugging, and model development

Adaptability: Successfully transitioning from individual work to collaborative team environments

Research Collaboration: Active participant in international research collaboration with Purdue University