HARIS KUMAR K

ASPIRING AI, DATA SCIENCE & CLOUD ENGINEER

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SUMMARY

Ambitious AI, Data Science, and Cloud Engineer with enthusiasm for Computer Vision. Data Visualization, Machine Learning, and Cloud Computing. Presently working on scholarly research in these fields and eager to leverage knowledge to contribute towards innovation. Proficient in cloud technology, machine learning, and statistical modeling with a special focus on the deployment of scalable AI solutions. Keen on leveraging data- driven insights and cloud infrastructure to address real-world problems.

WORK EXPERIENCE

Electronics & Radar Development Establishment (LRDE), DRDO, Bangalore – Central Government Internship   19thJuly - 19thSept 2024

- Developed radar data cubes and applied machine learning techniques to enhance radar signal processing and target tracking accuracy.
- Collaborated on optimizing detection strategies and performed radar data analysis for effective pre-detection tracking in real-time systems.

Unified Mentor Private Limited - Data Science Intern   1stFeb - 29thFeb 2024

- Conducted exploratory data analysis and visualization to extract actionable insights from structured datasets.
- Implemented supervised learning algorithms to develop predictive models for business use cases.

AI Research Intern, StudAI-AI based research company,Chennai   Present

- Starting from 27th Jun 2025 – Ongoing (Expected to conclude after 3 months or later)

EDUCATION

KNOWLEDGE INSTITUTE OF TECHNOLOGY, SALEM

Bachelor's in Artificial Intelligence and Data Science (Honours)
2022 - 2026
CGPA - **8.106**

UNIVERSAL MATRIC.HR.SEC.SCHOOL, KONAKUTTAIYUR

Higher Secondary MAY 2022 - **86.16**%
Secondary Education MAY 2020 - **96.4**%

KEY SKILLS

- **Programming C, Python** (libraries like Pandas, Numpy, scikit-learn, Tensorflow), **SQL, Data Structures**.
- **Tools and platforms** Git and GitHub, Power BI, MySQL, HackerRank.
- **Technical** Deep Learning, Natural Language Processing, Machine Learning, Prompt Engineering, Cloud service Management, virtualization, Image & video Analysis, Text & Speech Analysis
- **Soft Skills** Problem-solving, Communication, Teamwork.

PATENT APPROVALS

- Eco-BIN-Efficient Waste Segregation
- System Automated Ticket Collection System for Buses

PAPER PUBLICATION

Voiceless connections

LEADERSHIP & ENGAGEMENT	GUVI Campus Ambassador – Joined officially on June 12, 2024 Promoting technical learning and peer engagement on campus

PROJECTS

- Track Before Detection in Radar Systems
- Voiceless Connections using Alexa
- Pregog – Alerting System Used in Bricks
- Eco-BIN-Efficient Waste Segregation System
- Automated Ticket Collection System for Buses
- Tourism and Hospitality for Foreign Visitors
- Agriculture Domain Web Application
- No-Code Low-Code (Drag and Drop)
- AI-Based Road Traffic Violation Detection and Smart Signal Optimization System
- AI-Powered SLD Automation for Smart Power System Design

TECHNICAL SKILL DEVELOPMENT & CERTIFICATIONS

- Machine Learning Specialization – Coursera
- Programming Fundamentals – Duke University (Coursera)
- AWS Cloud Foundations – Oracle Cloud Infrastructure (Final Exam Completion)
- NPTEL Elite Certification in Cloud Computing
- NPTEL Certification in Reinforcement Learning & Python for Data Science
- ICT Academy Learnathon Completion – Completed 8 courses and final assessment

CODING & COMPETITIVE PROGRAMMING ACHIEVEMENTS

- GeeksForGeeks Coding Challenge – Successfully completed a 160-day challenge and received reward
- Code O Clock – CIT Startup TN Hackathon (Participated)
- Premier Paper Presentation Award (2023)
- First Prize – Video-Idea Integration Presentation – Artificial Mother Womb – Excel Engineering College (2022–2023)
- Second Prize – Tech Mystery Technical Event – M. Kumarasamy College of Engineering, Karur (2022–2023)

INNOVATION, HACKATHONS & ENTREPRENEURSHIP

- Naan Mudhalvan GUVI Hackathon (NMAUTNCPL) – Top 70 Finalist
- iStart Hackathon (KIOT – AICTE Idea Lab) - Title: Pregog (Alerting system used in bricks) – Participated
- MAWAZO 2025 – Kerala Startup Hackathon - Title: Tourism and Hospitality (for Foreign Visitors) – Finalist
- MSME Hackathon 2024–2025 – Finalist, Applied for Govt. Project Funding
- VIHANSA 2025 - Hackathon (SRIT, Coimbatore) – Secured Best Project Award with cash rewards
- Achiever Award & Best Student in Co-curricular Activities Award (2024 & 2025) – KIOT