

# KUMAR SAHAB

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## SUMMARY

- Senior Data Scientist at **Aarki**, Ex: **Samsung R&D** (Senior AI/ML Engineer), **Cognizant** (Full Stack Development).
- **MTech** in Computer Science and Engineering from **NIT Jaipur**.
- Skilled in Machine Learning, Deep Learning, Natural Language Processing and Full Stack Development.

## EMPLOYMENT/EXPERIENCE

### Senior Data Scientist | AI/ML, Ads | Feb 2025 – Present

*Aarki | Bengaluru, India*

**Domain & Tech:** Machine Learning, Deep Learning, PySpark, SQL, Advertisement, Demand Side Platform (DSP)  
Responsible for the development of **AI/ML** based models for various stages in Demand Side Platform.

### Senior Engineer | AI/ML, Android | July 2022 – Jan 2025

*Samsung Research Institute (SRI-B) | Bengaluru, India*

**Domain:** Machine Learning (ML), Deep Learning, NLP, Generative AI, LLM, Android, Security, Computer Vision

- Responsible for the development of **AI/ML** based features for Samsung flagship smartphones, which includes dataset collection & preparation, model development & training, optimization & compression, and on-device deployment.
- Developed & deployed **3 transformer (BERT) and CNN based models** for on-device phishing protection and played a key role in implementing **2 other deep learning models** & in development of **on-device training pipeline using ONNX**.
- Architected the initial system, developed several critical features and algorithms, identified and resolved numerous critical bugs and unperceived multithreading issues, ensuring system stability and performance.
- Mentored interns and fellow developers, proposed solutions and innovative ideas and participated in tech-challenges.

**Rewards & Recognitions:** Honored 2 times with Samsung Award & 3 times peers' recognition award as a tech-expert.

**Achievements:** SWC (Samsung Software Competency) professional and Workera AI Expert certified

### Associate Engineer (Intern) | Android Device Driver | Oct 2021 – May 2022

*MediaTek | Noida, UP, India*

**Technologies:** C, C++, Display Driver, DRM, Hardware Composition

- Did Kernel-5.10 Migration for 1 processor (1 project), Kernel-4.19 Migration for 1 processor (6 projects), DRM display driver upgrade & GKI porting for 1 Processor, Android T (13) testing for around 8 processors with a total of 20+ projects.

### Software Engineer | Full Stack Developer | Mar 2018 – Dec 2020

*Cognizant Technology Solutions | Chennai, TN, India*

**Technologies:** C#, .NET, HTML, CSS, JavaScript, Bootstrap, SQL, REST API, MVC

- Designed and developed 20+ new features and major enhancements, provided technical fix for 50+ critical and high priority issues, did technology upgrades for 10+ web applications.

## SKILLS/TECHNOLOGIES

**Current Domain:** Machine Learning (ML), Deep Learning, Natural Language Processing, Generative AI, Computer Vision

Programming Languages: C, C++, Python, Java (Basic), Kotlin (Basic), SQL

Frameworks & Libraries: Pytorch, TensorFlow, Keras, Numpy, Pandas, Scikit-Learn, NLTK, OpenCV

Tools & Others: GitHub, Gerrit, Visual Studio, Android Studio, Jupyter Notebook, Linux

## CERTIFICATIONS/COURSES

*Deep Learning | One Fourth Labs | 6 Months*

Link: <https://www.credential.net/2330a0d2-64a4-4ff7-a27d-9f05d20d4fee>

## EDUCATION

### Master of Technology (M. Tech.) | Computer Science and Engineering | Sep 2020 – Jul 2022

*Malaviya National Institute of Technology | Jaipur, Rajasthan | Grade: 8 CGPA*

Main Coursework: Machine Learning, Data Mining, Database, Data Structures and Algorithms, Image Processing

### Bachelor of Technology (B. Tech.) | Electrical Engineering | Aug 2013 – Jul 2017

*Jaipur Engineering College and Research Centre | Jaipur, Rajasthan*

Relevant Coursework: Database, C, Object Oriented Programming, C++, Microprocessor, Digital Electronics