

Simhadri Ajay Kumar *Electrical and Electronics Engineer*

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PROFESSIONAL SUMMARY

Experienced **Data Science** and **Software Professional** with a **Python, SQL, JavaScript**, and **web development** background. Skilled in **data analysis**, **machine learning workflows**, and **version control** systems.

Gained practical experience through **multiple internships** and a **full-time role** at **Cognizant**, working on real-world projects involving **data processing**, **model tracking**, and **content review**. Known for being **focused**, **reliable**, and a **strong team player** with a clear approach to solving problems using **data** and **technology**.

SKILLS

Programming

Python, JavaScript, SQL, HTML, CSS

Tools

Tableau, Spreadsheet, Google Search Console, Jira, Swagger, AWS, WordPress

IoT & Embedded Systems

Raspberry Pi, Arduino, Internet of Things (IoT)

Technologies

React.js, Next.js, Vue.js, PrimeVue, Django, Machine Learning (regression, classification), YOLO algorithm (object detection), Image processing, SEO

Version Control

Git, GitLab, GitHub

Soft skills

Communication, Problem solving, Adaptability, Time management

EXPERIENCE

Assetplus Consulting

Jan 2021 – Nov 2021

Intern - Data Science Intern

Noida, Uttar Pradesh, India

- Gained practical experience in **data analysis**, **data cleaning**, **labeling**, and **augmentation**.
- Successfully gathered, organized, and prepared **data** for **analysis**.
- Expertise in **labeling image content** and applying **data augmentation techniques** to expand the **dataset size**.
- Contributed to the development of a **robust dataset** for further **analysis** and **modeling**.
- Developed skills in **data handling** and **preprocessing**, resulting in improved **accuracy** and **reliability** of data.

Wipro

Mar 2022 – Sep 2022

Intern (DAAI-IDP)

- Gained core skills in **UNIX**, **Python**, **SQL**, **databases (RDBMS, SQL)**, and **data warehousing (DWH)** during the **Wipro PJP**.
- Built a solid foundation in **programming** and **managing** information.
- Demonstrated understanding of material by **passing** all **program assessments**.
- The program helped prepare for tasks involving **data** and **software development**.
- Experience prepared for work on various **technology projects**.

Positive Integers

Feb 2023 – Apr 2023 | Chennai, India

Intern - Data Science Intern

- Completed a two-month **internship** at **Positive Integers**, contributing to **R&D** through **data engineering** and **ML workflows**. Conducted a **performance case study** comparing **Pandas** vs. **PyArrow** file reading speeds and worked on **synthetic data generation** using both tools.
- Developed a **sales data extrapolation** function to extend **time series data** for **forecasting**.
- Built an **MLflow prototype** to manage multiple **hyperparameter iterations** on a **logistic regression** model, including **data preprocessing**, **model tuning** with **GridSearchCV**, and **experiment tracking**.
- Gained practical experience in **model logging**, **versioning**, and **deployment**.
- Strengthened skills in **Python**, **Pandas**, **PyArrow**, **Scikit-learn**, and **MLflow** while collaborating with **data scientists** to design efficient, scalable **workflows** for **real-world data science applications**.

Gettryt

Jun 2023 – Sep 2023 | Chennai, India

Full time - Software Trainee

- Developed responsive UI components for the MDM platform using **Vue.js**, **PrimeVue**, **JavaScript**, **HTML**, and **CSS**.
- Supported **Android edge device management** features such as provisioning, remote control, and secure app distribution.
- Maintained code quality using **GitLab** for version control and **SonarQube** for static analysis and security checks.
- Created and maintained **API documentation** with **Swagger** for seamless backend–frontend integration.
- Gained hands-on experience in **MDM workflows**, last-mile automation, and enterprise device deployment systems.

Cognizant

Oct 2023 – present

Full time - Analyst

- Serve as a **Process Analyst** responsible for **moderating** and **reviewing online content** in accordance with **client policies** to ensure **user safety** and **compliance** across digital platforms.
- Analyze, evaluate, and **flag content** for **removal** or **escalation**, ensuring **accurate**, **fair**, and **timely decisions** in alignment with **community standards**.
- Proficient in handling **highly sensitive**, **disturbing**, or **graphic content** with professional **discretion**, **empathy**, and **resilience**.
- Collaborate with **cross-functional project teams** to enhance **moderation frameworks**, contribute to **knowledge-sharing initiatives**, and improve **content review strategies**.
- Actively participate in **calibration sessions** and provide **constructive feedback** to fine-tune **moderation rules** and adapt to changing trends in **user-generated content**.
- Assist in drafting and refining **project proposals** in collaboration with **team leads**, contributing ideas to strengthen **operational workflows** and **client deliverables**.
- Maintain a strong track record of meeting or exceeding **targets** in **quality**, **accuracy**, **productivity**, and **turnaround time** while supporting **team-wide performance goals**.
- Help identify **gaps** in current **moderation systems** and propose **recommendations** to improve **policy application**, **training materials**, and **user experience outcomes**.
- Stay up to date with the latest updates in **platform policy**, **moderation tools**, and **digital safety protocols** to ensure consistent and effective enforcement of **guidelines**.

PROJECTS

Smart Robot using Image Processing

Line following algorithm to follow a specific path.

Wind Mill Power Prediction using ML

To predict the energy output of a windmill.

Object Detection Using Raspberry Pi 4 Model B

To implement an object detection model on Raspberry Pi using the YOLO algorithm.

Facial Recognition System using Rekognition, S3, and DynamoDB [↗](#)

Facial recognition service in Python using Amazon Rekognition to detect and match faces with AWS CLI support.

Django Simple Blog Project [↗](#)

Django project enabling user authentication and CRUD operations for blog posts with categories, likes, and comments.

Blog Generation App with Llama 2 [↗](#)

A Blog Generator built with Llama 2, featuring model integration, prompt handling, and content creation via Streamlit, with code and tools to explore LLMs.

EDUCATION

Hindustan Institute of Technology & Science [↗](#)

2018 – 2022 | Chennai, India

Electrical and Electronics Engineer

CGPA - 8.75/10

Narayana Junior College [↗](#)

2016 – 2018 | Visakhapatnam, India

Intermediate - MPC(Maths, Physics, Chemistry)

Marks - 923/1000

Govt Boys High School

2015 – 2016 | Ichchapuram, India

SSC - 10th Secondary School

GPA - 8.2/10

CERTIFICATES

- Python Data Structures [↗](#)
- Advanced Data Analytics using Python [↗](#)
- Ultimate AWS Certified Cloud Practitioner [↗](#)
- Introduction and Programming with IoT Boards [↗](#)
- Tableau A-Z: Hands-On Tableau Training for Data Science [↗](#)
- Python-Introduction to Data Science and Machine learning A-Z [↗](#)

AWARDS

Member of IEEE

Hindustan University

As a Student of IEEE Member in good standing through, denoting a personal and professional commitment to the advancement of technology.

Member of IET

Hindustan University

As a student IET member is a worldwide professional community. To take advantage of all the IET offers to accelerate studying, training and career development.