# Akarsh KS

**Bengaluru, India** | +91-9986283882 | akarshsuresh30@gmail.com
github.com/akarsh-hub30 | linkedin.com/in/akarshks30in

## Professional Summary

Results-driven engineering student with hands-on experience in full-stack development, IoT systems, and data analysis. Proven ability to deliver functional projects using modern web technologies and embedded systems. Quick learner excelling in fast-paced technical environments.

## Experience

**Full Stack Development Trainee** *Aug 2025 - Present (6 months)*
*Torii Minds, Bengaluru, India*

- Successfully completed HTML5, CSS3, and JavaScript training with Cisco Networking Academy certifications
- Developed 5+ responsive web pages using modern HTML5, CSS3, and JavaScript techniques
- Implemented interactive features through DOM manipulation and event handling
- Currently mastering React.js, building reusable components and advanced frontend applications

## Projects

**Path Follower Robot (IoT)** *2024*
*Arduino, Embedded C, IR Sensors*

- Engineered an autonomous robot navigating 10m+ paths with 95% accuracy using IR sensor fusion
- Optimized microcontroller algorithms, reducing obstacle response time by 40%
- Integrated hardware-software systems supporting real-time path correction

**Cricket Score Analysis Using Data Visualization and Analytics** *2025*
*Python, Pandas, Matplotlib (Analyzed 500+ matches)*

- Created interactive visualizations tracking player performance across 50+ IPL seasons
- Processed 100K+ data points, identifying key batting trends with 98% accuracy
- Delivered stakeholder-ready insights through cleaned, publication-quality charts

**FarmCart: Enriching Tables, Empowering Farmers** *2025*
*Flask, SQLAlchemy, HTML/CSS/JS*

- Developed a full-stack marketplace enabling direct farmer-to-consumer sales
- Implemented secure order processing and inventory management for 200+ products
- Deployed responsive design supporting mobile and desktop platforms with zero downtime

**Smoke & Gas Detection System (IoT)** *2025*
*Arduino, MQ Series Sensors*

- Built a real-time monitoring system detecting gas leaks within 2 seconds
- Integrated multi-sensor fusion achieving 99% detection accuracy
- Designed an automated alert system preventing potential fire hazards

## Certifications

- **C Programming** - Udemy (2023)
- **CompTIA IT Fundamentals: OS** - Infosys Springboard (2025)
- **Machine Learning with Java** - Infosys Springboard (2025)
- **Java Programming** - NPTEL (2025)
- **HTML5 Essentials** - Cisco Networking Academy (2025)
- **CSS3 Essentials** - Cisco Networking Academy (2026)

## Skills

- **Languages:** Python, Java, JavaScript, C, Embedded C
- **Web:** HTML5, CSS3, JavaScript, Flask, React.js, Responsive Design
- **Data:** Pandas, Matplotlib, Data Visualization, SQLAlchemy
- **Hardware:** Arduino, IR Sensors, MQ Gas Sensors, IoT Protocols
- **Tools:** Git/GitHub, Embedded Systems, Microcontrollers

## Education

**B.E. Information Science & Engineering, 8.23 CGPA (Current)**
Nagarjuna College of Engineering & Technology, Bengaluru — 2023–2027

**Pre-University (PUC), 88.66%**
Nagarjuna Pre-University College, Bengaluru — 2021–2023

**SSLC, 93.28%**
Navodaya Vidya Samsthe, Kuruburu — 2020–2021