

ASHA NAIK

+91 7795829484 | ashanaik.contact@gmail.com | [linkedin.com/in/ashanaik-dev](https://www.linkedin.com/in/ashanaik-dev)

PROFESSIONAL SUMMARY

Motivated and articulate professional with a background in data analysis, problem-solving, and education. Combines strong English communication skills (written and verbal) with hands-on experience tutoring students across subjects. Known for being a quick learner, reliable team player, and someone who brings organisation, patience, and a positive attitude to every task. Enthusiastic about roles in teaching, mentoring, and academic development.

EDUCATION

B.Tech — Electronics & Communication Engineering | SUIET Mangalore, India / 2022 – 2026

- Cumulative GPA: 9.52 / 10.0 — consistently in top academic cohort
- Relevant Coursework: Professional Presentation Skills, Engineering Ethics & Professional Practice

SKILLS

Teaching & Communication

- Strong conceptual explanation ability, Simplifying complex topics into easy understanding, Blackboard & PPT teaching methods, Lesson planning and content preparation, Student engagement techniques, Mentoring Skills, Clear verbal and written communication, Presentation skills.

Technical & Professional

- Analog Electronics, Digital Electronics, Communication Systems, Signals and Systems, Microprocessors & Microcontrollers, Embedded Systems (Basics)

PROFESSIONAL EXPERIENCE

Java Full Stack Developer Trainee | TAP Academy / Dec 2025 – Mar 2026

- Acquired in-depth knowledge of Java Core, including OOP principles, collections framework, exception handling, and multi-threading fundamentals
- Developed proficiency in full-stack web development, integrating backend Java logic with frontend technologies to build end-to-end applications

Part-Time Tutor | Self-Employed / Independent / 2023 – 2026

- Provided one-on-one and small-group tutoring to school and junior college students in Mathematics, Science, and Computer fundamentals
- Developed personalised study plans tailored to individual student learning needs and academic goals
- Tracked student progress through regular assessments, offering targeted feedback to improve understanding and performance
- Built strong rapport with students and parents, maintaining consistent communication about academic progress
- Helped multiple students significantly improve their grades and build confidence in challenging subjects

PROJECTS

Autonomous Self-Charging Rover for Wildlife Security & Poacher Monitoring Jul 2025-Feb 2026

- Developed an award-winning autonomous surveillance rover that secured **First Place** at the 2026 University Project Expo, engineered to navigate rugged forest terrains using a high-torque **6WD chassis** and **Solar-BMS energy synthesis** for perennial, off-grid operation.
- Achieved a superlative **91% detection accuracy** and real-time inference speeds of **28 FPS** by deploying a tensor-optimized **YOLOv5** deep learning engine on an **NVIDIA Jetson Nano**, enabling the localized identification of human intruders without cloud-dependency.
- Established a resilient **15km communication radius** within infrastructure-free ecological "dead zones" by integrating **LoRa telemetric protocols** and **GPS tracking**, effectively automating hazardous patrol routines and eliminating human risk in wildlife conservation.

ACHIEVEMENTS

- President — ECE Department Student Body: led the department's student council, overseeing events, student welfare, and departmental initiatives
- Conducted Workshops & Technical Events: organised and facilitated multiple technical workshops and department-level events, demonstrating strong leadership and event management
- Academic Excellence Award 2026 — recognised for maintaining a CGPA of 9.52 throughout the B.Tech programme
- Best Outgoing Student 2026 — highest honour awarded by the department, recognising overall academic, leadership, and personal excellence
- First Prize — Project Expo 2026: awarded for outstanding innovation and technical execution among all competing teams