

# A KARTHIK SHENOY

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Portfolio: [karts13.github.io/](https://karts13.github.io/)  
[github.com/karts13](https://github.com/karts13)  
[linkedin.com/in/a-karthik-shenoy](https://linkedin.com/in/a-karthik-shenoy)

**Dynamic and motivated** undergraduate seeking to start a successful career in the **technical field**. Dedicated to **lifelong learning and development**, with a strong drive, diligence, and a positive perspective aimed at flourishing in a cooperative team setting while strengthening **communication** and **project management** skills.

## SKILLS

**Programming Languages:** Python, C, SQL (MySQL), Google Apps Script  
**Technologies/Frameworks:** HTML/CSS, Bootstrap, MongoDB  
**Developer Tools:** Linux, Tableau, Android Studio, VS Code, Git/GitHub, Postman, Nmap  
**Soft Skills:** Team Work, Adaptability, Enthusiasm, Communication

## WORK EXPERIENCE

**System Programming Intern** **Feb 2025 — May 2025**  
*Sasken Technologies* *Bengaluru, IN*

- Developed a Linux kernel module to interface with MPU-6500 (accelerometer/gyroscope) and AJ-SR04M (ultrasonic) sensors for detecting steering tilt and rear object distance.
- Helped enhance automotive safety by transmitting sensor data via CAN protocol to a host PC under the guidance of senior embedded systems engineer.
- Aimed at reducing accidents due to blind spots and steering misjudgment; applicable in ADAS and autonomous vehicles.

**Automation and Email Management Intern** – ([Source Code](#)) **Feb 2023 — Mar 2023**  
*National Institute of Technology, Karnataka* *Surathkal, IN*

- Automated the retrieval, organization, and delivery of daily email summaries to specified recipients using Google Apps Script and Google APIs, enhancing efficiency and teamwork.
- Reduced manual workload by 25% and improved overall efficiency.
- Devised and deployed an advanced spam filter that decreased email spam by 80%, boosting team productivity by 25% and streamlining internal information sharing.

## PROJECTS

**DeskWatch | Python, Digital Wellbeing** – ([Source Code](#))

- Implemented a Python script using pygetwindow and pyautogui to log time spent on various activities, including a feature for securely extracting domain names from web browsers.
- Developed with mentor guidance to address challenges faced during development.
- Boosted productivity by securely automating activity tracking, leading to a 50% increase in overall efficiency.

**Chronograph | C, User Interface Design** – ([Source Code](#))

- Constructed a multi-functional C program featuring a timer, world clock, and stopwatch, with customizable options such as timestamp, start/stop/reset functions.
- Executed as a team-based mini-project under teacher supervision, involving 3 team members.
- Tracks multiple time zones and manages tasks with a stopwatch feature.

## EDUCATION

**NMAM Institute of Technology** **Dec 2021 — Jul 2025**  
*Bachelor of Engineering in Computer and Communion — 8.79 CGPA* *Nitte, Karnataka*  
**Coursework:** Data Structures, Database Systems, Operating Systems

**Expert PU College** **May 2019 — Jul 2021**  
*Senior Secondary — 97.6%* *Mangaluru, Karnataka*  
**Coursework:** PCM, Computer Science

## ACTIVITIES

- Member at Institution Innovation Council, NMAMIT Jan 2024 — Apr 2025
- Volunteer at National Service Scheme (NSS) by NMAMIT Sep 2023 — Sept 2024
- Media Co-Ordinator at ACCESS student Committee, NMAMIT Sep 2023 — May 2024