

## Motinath Rajendran

LinkedIn: <https://www.linkedin.com/in/motinath/> | [motinath.rajendran@gmail.com](mailto:motinath.rajendran@gmail.com) | +91-8778744043

Electronics and Communication Engineering student passionate about creating real world tech solutions, with hands on experience in embedded systems, automotive tech, web development, and digital media.

### Education

**Vellore Institute of Technology – AP**, Amaravati, Andhra Pradesh.

Bachelor of Technology in Electronics and Communication Engineering | CGPA: 7.31/10 | 2022 – 2026

**SRV Boys Higher Secondary School**, Namakkal, Tamil Nadu.

12<sup>th</sup> Standard | Percentage: 77% | 2021 – 2022

**SRK Matric Higher Secondary School**, Salem, Tamil Nadu.

10<sup>th</sup> Standard | Percentage: 83% | 2019 – 2020

### Certifications

- **India Semiconductor Workforce Development Program:** Indian Institute of Science - IISc. (Jun 2025)
- **Fundamentals of digital marketing:** Google Digital Academy (Skillshop). (Jun 2025)
- **AWS Academy Graduate:** AWS Academy Cloud Foundations (Batch). (Jun 2025)
- **Oracle Certified Foundations Associate:** Oracle Fusion Cloud Applications ERP, Oracle University. (May 2025)
- **Introduction to MongoDB, AI, and Vector Search:** Practical exposure to NoSQL, AI concepts, and vector search techniques. (Aug 2024)
- **Foundation Course on Embedded System Design:** Hands-on learning in microcontroller architecture and real-time systems. (Jun 2024)
- **National Conference on Communication Technology (NCCT-2023):** Presented "Guardian Net Security and Privacy Challenges in Communication Networks". (Dec 2023)
- **Build Your Own Chatbot:** IBM Cognitive Class. (Dec 2023)
- **Advanced Research Methodology:** Two-week national-level workshop by SRM Institute of Science and Technology. (Jul 2023)
- **DST-SERB International Conference on ISETSD-23:** Presented "Dry Handwashing Machine by Fog Disinfection to Save Water". (Jan 2023)
- **MATLAB Onramp:** Completed 100% of self-paced training in MATLAB fundamentals. (Oct 2022)

### Projects

- **Motion-Based Message Conveyor:** Developed a sensor-integrated communication system for individuals with paralysis using microcontroller programming.
- **Auto-Protect:** Built a smart vehicle safety system with obstacle detection, alcohol sensing, drowsiness monitoring, and theft alerts using Arduino and Python.
- **Electric Scooter Simulation:** Simulated electric scooter performance using MATLAB Simulink and Simscape to analyze power, torque, and efficiency.

### Experience

- **Intern, Prodigy Infotech:** Built web interfaces using HTML, CSS, and JavaScript.
- **Intern, New Technologies Institutions:** Developed backend features with JavaScript and APIs.
- **Digital Content Creator, GGN & INDIGG:** Created and promoted gaming content while developing marketing strategies to grow educational outreach. (Content Creation, Digital Strategy).

### Skills & Tools

- **Programming:** Python, Embedded C, Java, HTML, CSS, JavaScript, React.
- **Tools & Platforms:** MATLAB, Simulink, Arduino, Figma, AI Tools.
- **Skills:** Teamwork, Adaptability, Content Creation, Digital Marketing, SEO, Web audit, Web Analytics.