SYED MOHAMED ABDUL KADER

Signal Processing & Wireless Communication Engineer (Entry-Level)

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PROFILE SUMMARY

Electronics and Communication Engineering (ECE) graduate (2022–2026 batch; degree conferral 2027) with academic grounding in Signals & Systems, Digital Signal Processing, and Wireless/Mobile Communication. Working knowledge of Python for numerical and signal analysis (NumPy). Strong analytical and critical-thinking skills built through competitive chess. Seeking an entry-level DSP / Communication Systems / Wireless Engineer role to apply coursework and hands-on Python skills to real-world signal and communication systems.

CORE TECHNICAL SKILLS

- Relevant Coursework: Signals & Systems, Digital Signal Processing (DSP), Wireless/Mobile Communication
- Programming: Python (NumPy, signal analysis fundamentals)
- Tools: AutoCAD (2D drafting/design)
- Professional Skills: Analytical problem-solving, teamwork, self-directed learning

EDUCATION

B.E., Electronics and Communication Engineering | Anna University*2022 – 2026 (Degree Conferral: 2027)*

- Relevant coursework: Signals & Systems, Digital Signal Processing, Wireless/Mobile Communication

Higher Secondary Certificate (HSC) | Golden Jubilee Matriculation HSC*2021 – 2022*

- Percentage: 75% | CGPA: 7.5/10

ACADEMIC PROJECTS

IoT-Based Intelligent Medical Assistive Device*Academic Project*

- Designed a concept for an IoT-based assistive device for object detection and real-time alerts to support medical/accessibility use cases.

PERSONAL PROJECTS

Real X-Ray Telescope Analysis*Personal Project*

- Analyzed real X-ray telescope data using Python to process and interpret astronomical signal readings.

Real Telescope Signal – Anomaly Detection*Personal Project*

- Applied signal processing techniques to real telescope signal data to detect anomalies and irregular patterns.

Jupiter Radio Signal & 3D Planet Analysis*Personal Project*

- Studied Jupiter radio signal data and performed 3D planetary analysis using Python-based signal processing tools.

INTERNSHIP EXPERIENCE

Embedded Systems Intern | Training Program*1 Week*

- Gained exposure to embedded systems fundamentals and an introduction to basic machine learning concepts.

Draftsman Trainee (AutoCAD) | Engineering Training Project*In Progress*

- Learning 2D drafting fundamentals in AutoCAD while contributing to a team engineering project.

AWARDS & ACTIVITIES

- Participant, state-level chess competition (college-level, first-time entry)
- Winner, 1st and 2nd place – college cultural events

LANGUAGES

English (Intermediate) | Tamil (Fluent) | Japanese (Basic)