

Shivam Yadav

Flutter App Developer — Electronics and Communication Engineering

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🌐 Portfolio

TECHNICAL SKILLS

Programming: Python, Dart, C++ (Basic)

App Development: Flutter, Android App Development, UI Development

ECE Concepts: Digital Logic, Signals and Systems, Communication Engineering

Tools: Git, GitHub, MATLAB, Arduino

PROJECTS

Digital Communication System Simulator — Python

- Implemented BPSK and QPSK modulation over an AWGN channel with BER vs SNR performance analysis using Monte-Carlo simulation
- Developed an interactive Streamlit GUI for constellation visualization and real-time system analysis

GradeCap — Flutter Android Application

- Built an academic management app for CGPA calculation, attendance tracking, and exam planning with a clean, offline-first UI

Nostalgia — Flutter Android Application

- Developed a memory-focused Android application with smooth navigation and polished UI design

Life Simulator — Flutter Android Application

- Created a decision-based life simulation app featuring dynamic stat tracking and reusable widgets

Signal Generator and Plotter — Python

- Generated and visualized sine, square, and triangular signals with configurable parameters using Python

Digital Modulation Visualizer — Python

- Visualized ASK, FSK, and BPSK modulation techniques to strengthen digital communication fundamentals

TRAINING AND INTERNSHIP

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Content Writing Intern

- Created and edited digital content while improving professional communication and time management skills

EDUCATION

Chandigarh University

Bachelor of Technology — Electronics and Communication Engineering

Expected Graduation: 2027

RELEVANT COURSEWORK

Signals and Systems, Digital Electronics, Communication Engineering, Microprocessors, Linear Algebra