

# Shivam Yadav

Flutter App Developer — Electronics and Communication Engineering

 +91-8126364948    sy9202150@gmail.com    shivam1902    Shivam1902-tech    Portfolio

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## TECHNICAL SKILLS

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**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

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### 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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### InAmigoes

Content Writing Intern

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

## EDUCATION

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### Chandigarh University

Bachelor of Technology — Electronics and Communication Engineering

Expected Graduation: 2027

## RELEVANT COURSEWORK

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