



# ARJAV PATEL

[Email](#) | [Portfolio](#) | [GitHub](#)

## EDUCATION

**Birla Institute of Technology and Science Pilani, Goa Campus**

*B.E. (Hons) Electronics and Instrumentation Engineering*

South Goa, India

Aug 2023 – May 2027

## EXPERIENCE

**Lead Instructor - Center for Technical Education (with Developers' Society)**

Aug 2024 – Nov 2024

- Served as lead instructor for an “Introduction to Flutter” course for 30+ students at BITS Goa
- Curated 4 quizzes, created 10+ hands-on problems, and evaluated 30+ student projects

**Software Engineering Intern - Nudron IoT Solutions**

Aug 2025 – Present

- Refurbished the UI of an existing Flutter codebase, improving usability and design consistency.
- Integrated cross-platform support by merging functionalities into a unified app for iOS, Android, and Windows

## POSITION OF RESPONSIBILITY

**App Development Head - Developers' Society BITS Goa**

May 2025 – Present

- Leading a team of 50+ junior developers and 10 senior developers
- Responsible for maintaining 4+ applications used in BITS Goa such as BPGC One, Fest Management Apps etc

## PROJECTS

**BITS Goa Fest Management App** | Flutter, Firebase, Node.js | [Google Play](#)

- Developed a fest-wide app to manage events, passes, and schedules for Waves, Quark, and Spree
- Handled INR 6M+ in payments with a secure integrated payment interface

**Student Welfare Division - SWD Store** | Python, Django, Jinja2, MongoDB | [GitHub](#)

- Developed SWD Store, an all-in-one platform for BITS Goa clubs and departments to sell merchandise, enabling students to browse and purchase items seamlessly
- Built with Python (Django), MongoDB, and HTML/CSS, featuring a user-friendly UI and secure DB integration

**Night Vigil - Goa Police Hackathon** | Flutter, ReactJS, FastAPI, FaceNet, AWS | [GitHub](#)

- Developed a patrol verification platform with geofence-based check-ins, facial recognition validation, and automated duty compliance reporting during a 48-hour hackathon.
- Added continuous location tracking and alerting to prevent geofence violations, strengthening transparency and on-ground accountability

**BPGC One** | Flutter, Firebase, Node.js | [Google Play](#)

- Developed the v1.0 of BPGC One, unifying Cabpool, Mess Menu, and BITS Eye student lookup into a single campus utility app
- Implemented an SWD-linked payment workflow to streamline and simplify student transactions

## RESEARCH AND PUBLICATIONS

**Modeling Campus Solar Generation** | Research, Python, Data Visualization, Matplotlib | [Research Paper](#)

- Conducted a research project analyzing solar power generation at BITS Goa with two faculty mentors and a four-member student team
- Conducted power-weather correlation analysis with code and visuals on [GitHub](#).