

Vedang Acharya

<https://vedang.xyz> | vedang1234@gmail.com

EDUCATION

NIT GOA

**B.TECH. ELECTRICAL AND
ELECTRONICS ENGINEERING**
July 2015 - May 2019
CGPA - 8.06

MUSHTIFUND ARYAAN HSS

**HIGHER SECONDARY SCHOOL
CERTIFICATE EXAMINATION**
May 2013 - May 2015
Percentage: 83.66

LINKS

Github:// [vedang-27](#)
LinkedIn:// [vedangacharya](#)

COURSEWORK

UNDERGRADUATE

Computer Programming and Problem solving
Circuit Theory
Electrical Machines
Control Systems
Switchgear and Protection
Analog and Digital Electronics
Electrical Power Generation and Distribution
Linear Integrated Circuits
Power Electronics
Electrical Drives

ELECTIVES

Data Structures and Algorithms
Distribution Automation and Smart Grid
Database Management Systems

SKILLS

PROGRAMMING

Over 3000 lines:
Java • Android • Matlab • C
Familiar:
HTML • CSS • Javascript
Arduino • Python • Git

LANGUAGES

English • Konkani • Hindi • Marathi

EXPERIENCE

PHILIPS | RESEARCH INTERN

May 2018 - July 2018 | Bangalore

- Developed an internal research application in Java to analyze medical data.
- Technologies and Libraries worked on - Complex event processing, JBoss Drools.

COUNTERFEITIQ | INTERN

May 2017 - July 2017 | Goa

- Designed and developed an Android app to track food to served to students by Akshaya Patra Foundation using UIDAI Aadhaar API.
- Developed a server-side RESTful client in Spring IO to verify OTP using UIDAI Aadhaar API.

PROJECTS

INDOOR NAVIGATION FOR HOSPITALS

- Developed an Android app to help patients with navigation in hospitals using bluetooth low energy beacons as a part of Smart India hackathon 2018.
- Designed algorithms to interact and analyse the data transmitted by BLE beacons to provide real time location to the user using Google Maps API and Altbeacon library.

SPEED CONTROL USING ARDUINO

- Developed a way to control the speed of DC motor through input from serial monitor of an Arduino UNO board using pulse width modulation.
- Designed a program in Objective C to convert digital signal through serial monitor to an analog value to control the voltage across the motor.

SOLAR POWER CHARGER

- Designed a portable solar charger capable of charging electronic appliances like cell phone.
- Components- 12V/3W Solar Panel, 2800 mAh Power Bank, 7805 regulator chip.

ACHIEVEMENTS

- 2018 5th position at Smart India Hackathon organised by Gov. of India under Health sector
- 2015 Ranked 12,004 in JEE Advanced and 39,956 in JEE Main out of 13 lakh applicants
- 2013 Awarded certificate of merit by CBSE for outstanding performance in secondary school certificate examination

VOLUNTEER

- Co-founder member of Quanta- the Quiz club of NIT Goa.
- Social Media Manager for Technival and Saavyas.