

EDUCATION

Institution	Duration	Subject/Major	Grade/Percentage
National Institute of Technology Karnataka (Batch of 2021)	2017 - Current	B.Tech (Information Technology)	8.47 CGPA
Expert PU College, Mangalore	2015 - 2017	PCMS	96%
Presidency School, Mangalore	2007 - 2015	STEM	10.00 CGPA

WORK EXPERIENCE

- **IRIS (Integrated Resource and Information Sharing), NITK**
| Back-end Developer and ex-Intern | January 2019 - Present
 - Handled development of Faculty Appraisal Module
 - Optimised the time taken for forms to load from approximately **12s to 5s** using partialisation of pages.
 - Users: **500+** faculty and administration Staff.
 - Technologies used: *Ruby on Rails*, HTML, JS, and MySQL.
- **NITK Website** | [Website link](#) | Full stack developer | Dec 2018 - Present
 - Co-ordinating the development of the University website.
 - **Deputy head** in recruiting new developers and managing a team of 3 members.

AWARDS AND ACHIEVEMENTS

- **Grand Finalist at Smart India Hackathon (SIH) 2019** held at IIT-Roorkee | **One of the top 4 teams** to be selected from across the country for the problem statement.
- **Dr V. V. Modi Award** recipient for outstanding **Academic performance** for the year 2014 - 15.
- Successfully completed the **Combined Annual Training Camp (CATC) 2018** as a Senior Division Cadet under **NCC, NITK**. [Responsibility: Commanding a division of 25 young cadets for a period of 10 days + Weapons Handling]
- **Delivered a 1-day workshop** on cross-browser extensions development for **Mozilla Open-source** club of Sahyadri.

TECHNICAL KNOWLEDGE

Experience	Intermediate	Beginner
Programming Languages	Python, Java, C++, C, Bash, MASM, HTML, CSS, JS.	PHP, Ruby, SQL, LISP, Lex, Yacc, Assembly Languages.
Tools	Git VCS, Bootstrap, Rails, OpenCV, Performance Co-Pilot, Adobe Photoshop.	Django, Laravel, UiPath, Unity, XCode, Docker, Flutter, Android Studio, Arduino, RaspberryPi.

PROJECTS

- **Automatic Receipt Generation System Using Robotic Process Automation** | RPA, Django, OpenCV, Python | January - March 2019
 - **Estimated Capacity: 25000 transactions** a month using card or cheque.
 - Implemented an incomplete/erroneous data correction script that eliminated repeated detection failures and reduced human intervention by using RPA (Robotic Process Automation) and OCR (Optical Character Recognition) APIs.
- **LT Code enhancement of Blockchain data storage and recovery** | [Project link](#) | Python | March- April 2019
 - Implemented a variation of Erasure correcting codes for optimised storage and dependable recovery of data in a distributed blockchain network.
 - Achieved complete recovery of data in 8/10 cases with around 15% of the packets dropped before decoding.
- **Augmented Reality based Automatic Target Shooter** | [Project link](#) | Python, OpenCV, RaspberryPi | September 2018 - March 2019
 - Developing an AR based auto-aiming machine that detects and gives a headshot once a target is locked.
 - Implemented physical aiming with Raspberry Pi, face detection using OpenCV/Haar-Cascade, and Python scripts for execution.
- **College Attendance Management System** | [Project link](#) | Java, Android, Flask | September - December 2018
 - Developed a system to maintain attendance records of students employing data from the QR Codes on the students' ID cards using an Android application.

POSITIONS OF RESPONSIBILITY

- **NITK Student Council | Class Representative** | 2 Years
(Co-ordinating academic activities of 104 batchmates and decision-making on their behalf.)
- **ISTE, NITK Chapter** (Indian Society for Technical Education) | **Executive Member**, Computer Society | 1 Year
- **NITK Debate Team | Active Member** | 2 Years
- **TaskForce, NITK | PRISM Website Incharge** | 1 Year
- **Interact Club of Mangalore South | Treasurer** | June 2014 - May 2015

VOLUNTEER EXPERIENCE

- Cadet in 2 KAR ENGG COY, **National Cadet Corps (NCC)**, India | August 2017 - Present
- **Teaching volunteer** at **KREC Government Primary school**, Surathkal | July 2018 - Present
- Content Writing, Press and Anchoring Volunteer for college fests - **Incident 2019** and **Engineer 2018**