

### *Profile summary:*

- **Final year Computer Science student** looking for software engineering intern roles
- Summer 2022 & 2021 **Intern at Google** - DoS SRE & Google Assistant Team (Zurich, Switzerland)
- Developed apps with over 160,000 installs, AR effects with over 5 million impressions
- **Google Developer Student Club Lead 2021**- created a community, and organized events as the leader
- Highly adaptive, creative problem solver, good communicator, and a team player
- **GitHub**: <https://github.com/harshhc>
- **LinkedIn**: <https://www.linkedin.com/in/harshhc/>

### *Education:*

- **Bachelor of Science (Hons) in Computer Science** - International (TU858) Sept 2019 - Jul 2023  
**Year 4 at Technological University Dublin**
  - ◆ **Grades:** Average: 80% (1:1 degree | First-Class Honours)
  - ◆ **Modules:** Object-Oriented Programming, SQL & NoSQL Databases, Software Engineering, Algorithms & Data Structures, Artificial Intelligence, Image processing, Client-Server Programming, Program Design, Data Communications, Mathematics, and Mobile Development.
  - ◆ **Extra-Curriculars:** Chairperson & Project Lead at Enactus Society, National Winner of RedBull Basement contest, Google Developer Group Lead 2021, Student Ambassador

### *Experience:*

- **Site Reliability Engineering (SRE) Intern - Google** May - August 2022
  - ◆ **Team:** Google Cloud - DoS SRE - Production security (Zurich, Switzerland)
  - ◆ The project involved working on internal tools to protect google against DoS Attacks
  - ◆ Working with production code, SLOs, SLIs, probes, black box monitoring, distributed computing, and Network engineering
- **STEP Intern (Student Training in Engineering Program) - Google** Jul - Sept 2021
  - ◆ **Team:** Mobile Google Assistant (Zurich, Switzerland)
  - ◆ Worked on designing, planning, developing, documenting, debugging, and testing a new production-ready background RPC service between apps for an upcoming feature in the android google assistant.
  - ◆ The project involved Android Development, Client-Server Programming, Unit Testing
- **Coding Tutor - The Academy Of Code (Olus Education)** Apr 2021 - Present
  - ◆ Teaching daily classes - primary and secondary school students, Web Development, Python & Java Programming
- **Tech Internship - Educate4Health** Aug 2020 - Apr 2021
  - ◆ Identified reliable data sources, cross-checked data integrity, and collated and presented the data in an easy-to-read format for colleagues and senior management.
  - ◆ Designed, developed, and implemented progressive web applications (PWA)s

## *Skills:*

- **Programming experience** in Java, JavaScript, Python, GoLang and C.
- **Fundamental Knowledge:** Functional Programming, Object-Oriented Design, Algorithms & Data Structures, MySQL & NoSQL Databases, Git Version Control. REST API's
- **Platforms:**
  - ◆ **Android** ([Developer Profile](#)), **iOS** ([Developer Profile](#)), **React Native**
  - ◆ **Web Development** (Full-Stack): HTML5, CSS3, JavaScript, React JS, Redux, MongoDB, Express JS, Node JS
  - ◆ **Cloud:** Amazon Web Services (AWS), Google Cloud Platform (GCP) & Docker
  - ◆ **Data management:** Oracle MySQL, NoSQL, MongoDB, Postgres
  - ◆ **Machine Learning:** Computer Vision & NLP with Tensorflow, OpenCV, PyTorch
- **Soft Skills:** Public Speaking, Problem Solving, Critical Thinking, Proactive, Enthusiastic & Creative.

## *Additional Projects / Experience:*

- **Leadership / Public Speaking - Google Developer Student Club Lead**
  - ◆ Created a fresh community with 105 members and organized regular Events at [DSC TU Dublin](#) as a Lead selected by Google
  - ◆ Presented [VeriFresh](#) at [Dublin Hack n Tell event](#) (November 2019)
- **[CareersXP](#) - RedBull Basement University (Entrepreneurship Contest)** (March 2022)
  - ◆ [Selected as Ireland's National finalist](#) from over global 4400 applications
  - ◆ Semi-finalist in Irish Student Entrepreneurship Forum 2020 out of 10 teams
  - ◆ A platform to reduce high college dropout rates due to insufficient information available on university courses by providing practical insight into study areas.
- **Notable Freelance Projects** (2018 - 2021)
  - ◆ Worked on multiple projects - Android, iOS, Social Augmented Reality, Web Development
  - ◆ Projects: [Newstonic](#), [Study Pomodoro](#), DripXchange crypto fashion market, [ElectronicsLovers](#)
- **Technical Writer - Heartbeat, Fritz AI**
  - ◆ [Contributed 11 articles having received a total of over 50,000 views](#)
  - ◆ Wrote informative and tutorial posts on AI, Machine Learning & Augmented Reality
- **[Tellus](#) - Nasa Space Apps Challenge, Hackathon team project** (Oct 2020)
  - ◆ Selected as Global Nominee. My role in the team was to develop an Augmented Reality Visualization prototype for Earth using Nasa's Data.
- **[DAPPY Access](#) - HackAccess Dublin, Hackathon team project** (Feb 2020)
  - ◆ A project to make Dublin airport more accessible for disabled people.
- **[ColorMatch](#) - Google DevFest Dublin 2019, Hackathon team project** (Nov 2019)
  - ◆ Achieved second place (of 12 teams), judging based on impact, creativity & use of AI tools
  - ◆ An app using ML to help children learn colors by taking pictures of objects around them.
- **[VeriFresh](#) - Machine Learning based Android App, Personal project** (Jan 2019)
  - ◆ Using TensorFlow Lite ML framework to determine if fruits & vegetables are fresh
  - ◆ Image classification & Object detection features to classify camera-based images.
- **Open Source Contributions**
  - ◆ [JBoss Outreach](#) during [Google Code-In](#) (2018) & [Hacktoberfest](#) (2018 - 2020)

**Languages:** English (Fluent), Hindi (Native), German (Basic)