

# Akarsh Ashok

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## Education

### M-Tech, NSS College Of Engineering (2021-2023)

Palakkad, Kerala

- M-Tech, Computer Science & Engineering Student with CGPA 8.4
- **Extracurricular Activity:** IEEE, TinkerHub.

### B-Tech, NSS College Of Engineering (2017-2021)

Palakkad, Kerala

- B-Tech, Computer Science & Engineering Student with CGPA 8.35
- **Extracurricular Activity:** IEEE Member, Active Member of ISTE, Space Club Technical Adviser, KBIAC member.

### 10+2, K.V. Kanjikode (2015-2017)

Palakkad, Kerala

- Completed 12th grade with 94.8% in Computer Science Group.
- **Extracurricular Activity:** Scouts and Guides, Skating, Cycling.

## Experience

### Research Associate (CyberSec Dept), Amrita Vishwa Vidyapeetham Coimbatore

- *As a Research Associate, I'm working on different funded projects on real world applications, to name a few: Software Watermarking, Detection of Encryption, etc.*

### Tricodia, Kerala

- Intern at Tricodia for web development. Jun 2018 - Aug 2018

### Suez WTS

- Summer Intern (Cloud), Suez Water Technologies and Solution, Jun 2022 - Aug 2022

## Projects

### Cloud Deduplication (Python) - [\[GitHub\]](#) [\[IEEE Access\]](#)

- A project depicting cloud architecture negates encrypted file duplication stored in the cloud.

### Depression Detection with Facial & Sentiment Analysis (Python AI) [\[IEEE Access\]](#) [\[website\]](#)

- Created a web-app along with API where the user can check their depression using facial expression and sentiment analysis.

### Class Time - Virtual Time Table (Flutter) - [\[PlayStore\]](#) [\[GitHub\]](#)

- A Mobile Application where the users can load the time table once and it will notify the user min(s) before the session [notification turned off by default].

### AR and VR Application with TechXR SDK - [\[Github: AR\]](#) [\[Github: VR\]](#)

- An Augmented Reality and Virtual Reality Application was created using TechXR SDK using Unity Engine and Vuforia SDK.

### Agoragram - Instagram Live Clone (Flutter, Agora, Firebase) - [\[GitHub\]](#)

- The live feature, login and Signup feature of Instagram was cloned and made with Flutter framework and Firebase as backend.

### College Magazine 2020 - [\[Play Store\]](#)

- A Flutter Application was built for Android/iOS Mobile phone users, a basic UI was implemented.

## Certification Course

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- Problem Solving through C [NPTEL]
- AR-VR Application Development [TechXR]
- Intro to Cybersecurity [Cisco]

## Communities

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- IEEE
- TinkerHub
- Google Developer Student Clubs
- Google Crowdsourcing
- Under25 Community

## Technical Knowledge

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- Full Stack Development (MEFN)
- App Developer (Native & Flutter)
- Flask Development with Postgres/MuSQL
- Problem Solving through programming in C/C++
- Unity and Vuforia (Beginner)
- SparkAR (Intermediate)
- React, Angular, Vue, PHP (Beginner)

## Volunteering Experiences

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### TinkerHub

- *Flutter Learning Facilitator, Nov 2022 - Present*

### XtrudAR Community

- *Mentor, XtrudAR Community, Sept 2022 - Present*

### IEEE:

- *Lead, Platform Management, IEEE Volunteer Operation Committee, IEEE YP, April 2022*
- *Vice Chair, IEEE R10 Information management Committee, Jan 2023 - Present*
- *Web and Design, IEEE R10 Newsletter Committee, Jan 2023 - Present*
- *Webmaster, IEEE PELS Student Activity Committee, Jul 2021 - Dec 2022*
- *Webmaster, IEEE R10 Information Management Committee, Jan 2021 - Dec 2022*
- *Webmaster, IEEE India Council Student Coordination Team, Feb 2021 - Dec 2022*
- *Associate Webmaster, IEEE Kerala Section, Jan 2022 - Dec 2022*
- *Jt. Secretary, IEEE Computer Society Kerala Chapter, Jan 2022 - Dec 2022*
- *Webmaster, IEEE Young Professional Kerala Affinity Group, Jan 2022 - Dec 2022*
- *YP Webmaster, IEEE EdSoc Kerala Chapter, Apr 2021 - Dec 2022*
- *Webmaster, IEEE R10 Student Activity Committee. Feb 2020 - Dec 2021.*
- *Technical Coordinator, IEEE Computer Society Kerala Chapter, Jan 2020 - Jan 2021*
- *Chairman, IEEE CS Student Branch Chapter NSSCE, Mar 2019 - present*
- *Vice - Chairman, IEEE CS Student Branch Chapter NSSCE, Feb 2019 - Feb 2020*
- *Webmaster of IEEE Student Branch NSS College of Engineering. Feb 2019 - Feb 2020*

### Agora, Palakkad Kerala

- *Agora Student Ambassador of NSS College of Engineering. Jan 2020 - Jan 2021.*

### Developer Student Club (Google Developers)

- *Developer Student Club NSS College of Engineering Lead, Jan 2019 - Jul 2020.*

### KBA - (Kerala Blockchain Academy), Trivandrum, Kerala

- *KBAIC Student Ambassador, NSS College of Engineering. May 2019 - Jun 2020.*