

Akarsh Ashok

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Experience

Faculty Associate (CyberSec Dept)

Amrita Vishwa Vidyapeetham, Coimbatore, India (June 2024 - Present)

- As a Faculty Associate, I'm assigned BTech classes and also have been working on different govt funded projects on real world applications, to name a few: Software Watermarking, Encryption, Reverse Engineer.

Research Associate (CyberSec Dept)

Amrita Vishwa Vidyapeetham, Coimbatore, India (May 2023 - May 2024)

- As a Research Associate, I'm working on different govt funded projects on real world applications, to name a few: Software Watermarking, Encryption, Reverse Engineer.

Suez WTS (Jun 2022 - Aug 2022)

- Summer Intern (Cloud), Suez Water Technologies and Solution.

Tricodia, Kerala (Jun 2018 - Aug 2018)

- Intern at Tricodia for web development.

Education

D.Eng, Singapore Institute of Technology (2024-2029)

Singapore

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

APJ Abdul Kalam Technological University

Palakkad, Kerala

- M-Tech, Computer Science & Engineering Student with CGPA 8.34
- **Extracurricular Activity:** IEEE, TinkerHub.

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

APJ Abdul Kalam Technological University

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. Kanjicode (2015-2017)

Palakkad, Kerala

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

Projects

Secure 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) - [\[GitHub\]](#)

- 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

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

Communities

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

Technical Knowledge

- Machine Learning (Python, Scikitlearn, Pandas, Keras)
- Full Stack Development (MEFN)
- App Developer (Android Native & Flutter)
- Flask Development with Postgres, MySQL
- Problem Solving through programming in C/C++/Python
- Java, JS, React, Angular, Vue, PHP (Beginner)
- SparkAR (Intermediate)
- Unity and Vuforia (Beginner)

Volunteering Experiences

IEEE (Active):

- *Chair, Communications Chair, IEEE YP, Jan 2025 - Present*
- *Volunteer, IEEE YP SG AG, Jan 2025 - Present*
- *Social Media Manager, IEEE Singapore Section, Jan 2025 - Present*

TinkerHub

- *Flutter Learning Facilitator, Nov 2022 - April 2023*

XtrudAR Community

- *Mentor, XtrudAR Community, Sept 2022 - Feb 2023*

Agora, Palakkad Kerala

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

Developer Student Club (Google Developers)

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

KBA - (Kerala Blockchain Academy), Trivandrum, Kerala

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