

# VARUN KAPOOR

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## OBJECTIVE

A mobile/Augmented Reality developer with three years of professional experience in Android and Augmented Reality development experience, looking for a Masters in Computer Science to find opportunities as a research assistant and to pursue my PhD related to Augmented Reality and software development.

## ACADEMIC QUALIFICATION

Bachelor of Technology in Computer Science, CHRIST (Deemed to be University), Bangalore **Jun 2015 – Apr 2019**  
**CGPA:** 3.72/4

## ACADEMIC PROJECTS

**Title:** ESAIL Project: Purifying water around Bangalore for proper Agricultural Use **Aug 2017 – Apr 2018**  
**Team Size:** 10 **Role:** Team Member

**Summary:** The project's goal was to brainstorm and figure out a method for purifying the water used by farmers around rivers in Bangalore. Initial phases required a lot of data collection from the farmers themselves and converting this data into relevant knowledge. The water used by farmers for their crops was highly impure due to the rapid industrialization of the area around Bangalore decreasing the quality of the crops.

**Title:** Infrastructure Management **Jul 2018**  
**Team Size:** 2 **Role:** Team Member

**Summary:** This project aimed at creating a portal for management of all aspects of the infrastructure of a university building, that is, their parts, water supply, repairs, and allow regular checking of such aspects.

**Title:** Baby Optimizer **Mar 2017**  
**Team Size:** 2 **Role:** Team Lead

**Summary:** This project aimed to figure out the optimal room temperature conditions required for achieving maximum comfort for a baby while they are sleeping/resting. This was an IoT project carried out with the help of an Arduino board and the creation of a relevant codebase for the project.

**Title:** Smart control of electrical appliances using Android **Aug 2015-Sep 2015**  
**Team Size:** 3 **Role:** Team Lead

**Summary:** Created an interface via an Android application to control electrical appliances using an Arduino and a wifi module from anywhere in the world, as long as the Android user and the device are connected to wifi. They do not have to be connected to the same wifi. Won the 1st prize in the Engineer's Day project Exhibition 2015.

## INTERNSHIPS:

**TrillBit** **Business Development Intern** **Apr 2018 - Jun 2018**

- Develop an Augmented Reality (AR) application based on trillbit technology.
- Integrate the AR application into TrillBit's existing application.
- Create new AR interactions with different objects.
- Structure the information through code submission and presentation and promptly pass this to the required team.

**Wipro** **Trainee** **Apr 2017 - May 2017**

- Created a dashboard structure with AngularJS Charts to be used by teams based on the input parameters of their requirements.

## WORK EXPERIENCE:

**Daimler Truck Innovation Center India (DTICI)** **Consultant** **Nov 2021 – Aug 2022**

**Total Cost of Ownership (TCO) Simulator/ReactJS Developer:**

- Develop the application for partners of Daimler Trucks in Japan (FUSO).
- Contributed to the development of the application from the architectural design phase to the implementation phase.
- Learned ReactJS in minimal time to provide deliverables on time for clients.
- Constant communication and discussions with clients regarding the application.
- Completed sprint deliverables and discussed future sprint plans with partners.

**Daimler4You/Android Developer:**

- Developed and upgraded the application for partners in Germany (Daimler).
- Conversion of the entire application's codebase from Java to Kotlin.
- Worked in a sprint environment.
- Implementation of new features for the application as the sole android developer.
- Researched, innovated, and implemented new features for the application.
- Constant communication with Daimler partners in Germany regarding the status of the application and better, efficient ways of bug solving.

**MyWork/Android Developer:**

- Developed and added new features for partners in Europe.
- Worked in an intercultural team with developers from Germany and India.
- Worked in sprints and discussed future sprint plans with partners and fellow developers.
- Demonstrated quick thinking and problem-solving to partners, which led to obtaining the application for the India team.

**TruckConnect/Android Developer:**

- Developed an application for Truck fleet owners.
- Developed new features and innovated new methods to implement deliverables on time.
- Started the project and picked up the details in minimal time with independent research.

**COURSES:**

- Introduction To Game Design, California Institute Of Arts, July 2021
- Introduction To Augmented Reality And Arcore, Google Daydream, July 2018.
- Introduction To Cybersecurity, Cisco Networking Academy, December 2017.
- Game Development For Modern Platforms, Michigan State University, December 2016.
- Business Of Games And Entrepreneurship, Michigan State University, June 2016.
- Principles Of Game Design, Michigan State University, May 2016.
- Introduction To Game Development, Michigan State University, April 2016.

**PAPERS AND CERTIFICATIONS:**

- Paper entitled "Augmented Reality Enabled Education for Middle Schools" accepted in the International Conference on Adaptive Computational Intelligence (ICACI) 2019, Springer, 2019.
- "Augmented Reality Enabled Education for Middle Schools" presented at the International Conference on Adaptive Computational Intelligence (ICACI) 2019 and published in SN Computer Science (Springer), May, 2020.
- Certification in Peer Education, Center for Counseling and Health Services, CHRIST(Deemed to be University), 2016.

**ACHIEVEMENTS AND EXTRACURRICULAR:**

- Scrum Workshop, CHRIST(Deemed to be University), January 2018.
- IoT Challenge 2018, i3indya Technologies, Radiance '18 IIT Bombay, January 2018.
- Participated in Ideathon 2017, Indian Institute of Technology Delhi, National Knowledge Network, 2017.
- Participated in Quiz, Blossoms, 2018.
- Participated in Model United Nations UNGA-DISEC, Qatar, SRM-Ramapuram, 2017.
- Participated in VIT Model United Nations UNGA-DISEC, 2017.
- Won 1<sup>st</sup> place in Quiz, DARPAN 2017, CHRIST(Deemed to be University), 2017.
- Won Best Delegate in Inter-departmental Model United Nations CHRIST, EU, Ireland, 2016.
- Won Honorary Mention in SRM Ramapuram Model United Nations, UNGA-DISEC, Croatia, 2016.
- Participated in Christ University Faculty of Engineering, UNGA-DISEC, Bulgaria, 2016.
- Volunteered in the Virtual BAJA SAEINDIA 2016.
- Won 1st place in Engineer's Day Project Exhibition 2015 for "Smart control of Electrical Appliances using Android", 2015.

**LEADERSHIP ROLES:**

- Organized Startup Pitch workshop, Foobar 2.0, Association of Students of Computer Science and Information Technology with Innovation(ASCI), CHRIST(Deemed to be University), 2017.

- Conducted Gaming Workshop(Game development), Foobar 2.0, Association of Students of Computer Science and Information Technology with Innovation(ASCII), CHRIST(Deemed to be University), 2017
- Organizing Committee Member of National Conference on Challenges and Opportunities in Computer Engineering(NCCOCE' 18), CHRIST(Deemed to be University), 2018.
- National Conference on Challenges and Opportunities in Computer Engineering, February 2017.
- Director-General of Model United Nations, Faculty of Engineering, CHRIST(Deemed to be University), 2017.