

# PULKIT AGARWAL

## SOFTWARE ENGINEER

Dublin, Ireland D08CH2H | [agarwalp@tcd.ie](mailto:agarwalp@tcd.ie) | +353-872741700

[LinkedIn Profile](#) | [Personal Portfolio](#) | [GitHub Profile](#)

## Professional Summary

I am a Computer Engineering Graduate with well-developed skills in Full-Stack Mobile & Web Development and have concluded various projects and certifications in these areas. I have knowledge of various methodologies and tools that are used in fabricating projects in these expanses.

I have had extensive leadership experience within higher education settings with sharp time-management, decision-making, problem-solving and communication skills.

## Education

### Computer Engineering (BAI)

Trinity College Dublin

*Expected Graduation: May 2021*

Overall Grade (GPA): **II. I**

**Relevant Courses:** Data Structures & Algorithms, Computer Networks, Software Design Analysis, Internet Applications, Information Management, Augmented Reality, Deep Learning, Integrated Systems Design, Operating & Concurrent Systems, Probability & Statistics.

**Technical Skills:** C, C++, Python, Java, HTML, CSS, JavaScript, React, Vue, Express, Node, React-Native, Expo, Redux, PHP, Android Studio, SQL, MongoDB, Verilog, MATLAB, Shell Scripting, Jupyter Notebook, ARM Assembly, AWS, Heroku, Netlify, GitHub, Firebase.

## Work Experience

### Associate Database Manager

Ganesh Plywood Industries

**April 2017 - August 2019**

- Created Indexes, Views and Triggers using MySQL to optimize access to multiple Production Tables and initiated the use temp tables along with hints which decreased query response time by 16%.
- Improved reformat and de-duplication logic which led to a 20% increase in opportunity of creating business relationships with consumers.

## Volunteer Experience

### Mentor at Student2Student (S2S)

Trinity College Dublin, Ireland

**September 2020 - Present**

- Strategized and coordinated Student Orientation of more than 30 students using effective time management and communication skills at Trinity College Dublin.
- Sent out weekly emails to my cohort and organized weekly events and meet-ups, which were marketed through social media and emails, to help freshers in their cultural, academic & social transition in college.

## Projects

### [Signal App Clone](#), Personal Project

**January - February 2021**

- Developed a full-stack cross-platform mobile application which processed and rendered data visually using React JS, Expo, React Native Elements and Firebase.
- Defined architecture & user interfaces and applied knowledge of JavaScript and React-Native frameworks to debug and solve novel problems.

### [E-Commerce Website](#), Personal Project

**November - December 2020**

- Wrote elegant, self-documenting, and easy-to-read code to develop the web application with complete accuracy using React, Material UI and Hooks in JavaScript.
- Collaborated with Commerce.js, an e-commerce API to build and control the backend infrastructure with integral flexibility.

## **Student-Hub Application, Group Project**

**January - April 2020**

- Used Java to create an Android App that allows users to review notes, set deadlines and rate modules within a college community for academic growth.
- Gained hands-on experience with Java, Android SDK & Git, and tech principles and culture via both team meetings, code reviews and pair programming.

## **Co-curricular Activities & Awards**

### **Winner: Trinity Employability Award, Trinity College Dublin**

**December 2020**

- Developed Trinity Graduate Attributes and reflected upon them in the employer's workshop using the Trinity Reflective Tool.
- Learned how to segment problems, ask the right questions, interpret the data, and identify solutions using the Model-Based Problem-Solving Process.

### **Winner: AWS Educate Challenge, Trinity College Dublin**

**October 2020**

- Part of the college team that participated in the AWS Educate Challenge 2020 and secured 6<sup>th</sup> position out of all the 68 participating colleges in Ireland.
- Ranked among the top 30 students with the highest portfolios and badges score in Ireland.
- Successfully completed various portfolios and earned badges available on AWS platform that enhanced my understanding of AWS deeply.

### **P. M. Khar Trophy, The Scindia School**

**February 2016**

- Awarded annually to one student for their encouraging pursuit of science through various measuring prospects.

### **Umang Mathur Award, The Scindia School**

**October 2015**

- One of the most prestigious honour, awarded annually to one student for best academic proficiency in the following academic term.

### **Sam Pitroda Award, The Scindia School**

**October 2015**

- Instrumented a project called the flame tube to show the transverse nature of sound waves.
- Awarded annually to the most innovative science project in the following academic term.

### **International Student Exchange, St. Philips' College Australia**

**October 2014**

- Propelled towards acceptance and understanding of an array of different cultural and community perspectives developing a cultivated global mindset.
- Adopted alternative, multi-faceted approaches of learning and language acquisition through practical immersion.

## **References**

*References are available upon request.*