

# AKSHAT SOOD

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A self-motivated and highly focused 3<sup>rd</sup> Year Computer Science Student at King's College London who exhibits widespread competence and charisma in Software and Web Development and a desire to learn and master technologies like React, Node.js, MongoDB and JavaScript. Determined to engage completely in a task and see it to completion. Passionate for developing innovative programs that expedite the efficiency and effectiveness of organizational skill.

## Education and Courses

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### BSc (Hons) Computer Science with a Year in Industry | King's College London, UK

2017 - 2021

- Expecting a 1<sup>st</sup> in the degree
- First year modules included Computer Systems (95%), Database Systems (74%), Data Structures (79%), Elementary Logic and its Applications (78%), Foundations of Computing (79%), Logic Design (93%) and Programming Practice and its Applications (91%).
- Second year modules included Practical Experiences of Programming, Internet Systems, Foundations of Computing 2, Software Engineering Group Project, Operating Systems and Concurrency, Programming Language and Design Paradigms and Introduction to Artificial Intelligence
- Awarded King's Experience Enterprise Award (2019) and King's Leadership and Professional Skills Award (2019)

### Shikshantar Senior Secondary School | Gurgaon, India

2014 - 2017

- Achieved 96% in ISC Examinations (2017) in Mathematics, Chemistry, Physics, Computer Science and English
- Achieved 93% in ICSE Examinations (2015) in Mathematics, Physics, Chemistry, Biology, Computer Science, Geography, History, Civics, English and Hindi

## Work Experience

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### Tech Lead | Renai

03-2019 - Present

- Developing a Web App for London based online platform for live-streamed fitness classes with an instructor providing real-time feedback and support.
- Enhancing the design and establishing an efficient Web-RTC framework while supervising a team of developers to improve the performance and functionality of the platform.

### Lead Software Developer | C Cube Pvt Ltd

04-2018 - Present

- Developing a Web App for Singapore based logistics e-commerce platform using the MERN Stack and transforming a startup idea into a reality.
- Designing the frontend while also implementing the backend using JSX, CSS, React, Node.js and MongoDB
- Implementing a heuristic algorithm to efficiently pack several boxes in a given space.
- Improved code quality and enforced proper coding practices. Worked largely unsupervised and met target deadlines.

### Data Analysis Intern | Glorious Insight

06-2018 – 07-2018

- Used Power BI and DAX to create interactive report dashboards for businesses.
- Explored Data Visualization, Ad Hoc Analytics and Querying, Enterprise Reporting, Operational BI and SaaS (Software as a Service) BI while applying my knowledge of DAX and SQL to integrate measures into my Data Analytics Dashboard.

### Data Analysis Intern | NIA Agrocommodity Marketplace

06-2017 – 07-2018

- Provided data analytics for the website including insights about the Agrocommodity marketplace and customer practices.
- Learnt about the Indian Agricultural Marketplace and common trading systems and ways to improve them.
- Evaluated customer practices on the e-commerce platform.

## Technical Projects

*Other projects and their demos can be found on my Website*

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### NHS My Buddy App | King's College London

03-2019

- Developed a cross platform mobile application specially designed for the Maudsley NHS foundation Trust Helping Families Team which are a specialist mental health service for families in complex circumstances.

- Implemented a buddy system for the clinicians that allows them to keep track of their appointments, ensure their attendance and ensure the safety of the. Used agile methodologies and team work skills to ensure guidelines given by the client were met.

### **Laravel Game Rentals Web App | King's College London**

**09-2018**

- Developed a web application using the LAMP stack and Laravel PHP framework for Game Rentals society.
- Engineered a platform with multi-level authorizations for admins, volunteers and members of the society and tools to be used by the society members to organise their products and keep track of rentals.

### **Capo for Dummies | Independent Project**

**09-2018**

- Developed a React Native App to help Guitarists calculate how Capo positioning will affect their music.
- Used redux for state management and React Native Elements for the UI design.

### **AirBnb Themed Property Viewer | King's College London**

**03-2018**

- Created a visualizer for a marketplace displaying data given in a CSV using Java, FXML, CSS and Google Maps API.
- Worked with a team of 3 people and focused on code quality and consistency while using GitHub.
- Developed the backend including and designed the UI to be interactive and seamless to improve user experience and navigation.

### **The Bo'Real' Forest | King's College London**

**02-2018**

- Developed a predator/prey simulation of the Canadian Boreal Forest with multiple terrains, weathers, seasons, breeding cycles, plant life, animal life etc., using Java.

## **Technical Skills**

<b>Java</b>	(Advanced)	<b>DAX</b>	(Advanced)
Over 3 years of experience in High School and University		Used for data extraction while creating reports in Power BI	
<b>JavaScript</b>	(Intermediate)	<b>SQL</b>	(Intermediate)
Learning to use various technologies like Node.js and React		Learnt SQL in University and have used it on multiple occasions	
<b>C++, Scala</b>	(Beginner)	<b>Animation, Robotics</b>	(Beginner)
Currently learning in University		Deployed my skills to conduct workshops for the IT Committee	
<b>HTML, CSS</b>	(Intermediate)	<b>Vue.js</b>	(Beginner)
Used in websites and other projects		Using to develop web app for Renai	
<b>React, Node.js and MongoDB</b>	(Intermediate)	<b>SEO</b>	(Beginner)
Using to develop web app for C Cube Pvt Ltd		Performed some SEO for a company in 2014	
<b>React Native</b>	(Beginner)	<b>Microsoft Office</b>	(Advanced)
Used to develop native app		Well versed with most services provided	

## **Positions of Responsibility**

### **Head of the IT Committee | Shikshantar**

**04-2015 – 03-2017**

- Became the youngest member of any Committee due to my knowledge and passion for IT and soon got selected for the position of Head of the Committee by the Principal for my leadership and organizational skills.
- Increased committee activity by 80% and membership numbers by 30%.
- Organized and conducted various workshops including Basics of Animation, GUI Programming in Java, Advanced Robotics (Building LFRs and other such machines), STEM Program and Advanced Animation (2D and 3D) using software like Pivot and Blender and created an online platform for weekly coding challenges.

## **Other Hobbies**

### **Drumming**

- Play various instruments including the Piano, Tabla and the Saxophone, but Drums have always been my favorite.
- Performed at multiple locations including Jawaharlal Nehru Stadium during a fund raiser for the Indian Cancer Society.
- Awarded Distinction in Rock School Drums Grade 8 (2017), Distinction in Rock School Drums Grade 6 (2016) and Merit in Rock School Drums Grade 4 (2015)

### **Model United Nations Conferences**

- Appointed Secretary General for ShikMUN 2016 and ShikMUN 2015 for my leadership and managerial skills.
- Awarded High Commendation in Confero MUN 2015, RISMUN 2014, ShikMUN 2014 and Special Mention in ShikMUN 2014 for my debating and interpersonal skills