

AKSHAT SOOD

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A self-motivated and highly focused 2nd 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

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

2017 - 2021

- Expecting a 1st 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%).
- Currently in the second year, which include the following modules 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

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

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.

Shift Manager | Matsya Restaurant, Mayfair

11-2017 - Present

- Looked after the operational and managerial duties and functions of the Restaurant. Supervised the work of other staff members and ensured high standards of customer service.

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) NI 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

All project demos can be found on my Website

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 transition between different scenes and the Compare Panel which lets you shortlist properties and view them in a separate list.
- Made the UI interactive and seamless to improve user experience and navigation.

The Voice London Database | King's College London

03-2018

- Implemented a relational model for a television show named "The Voice London", based on a previously created ER Diagram and set of requirements. Created and Populated the database with dummy data and performed different data manipulation and retrieval operations on it, using SQL.

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.
- The simulation considered many real-life factors, including changes in weather phenomenon during different seasons, hibernating seasons and how much food needs to be consumed to survive it, sleep cycles, eating habits and the number of offspring certain animals have.

Lambda Corps | King's College London

02-2018

- Created a text-based RPG, with multiple endings, based in the future using Java. It involved interactive NPCs, secret objectives, choices which the player had to make and above all, a gripping storyline.

Technical Skills

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|---|----------------|---|----------------|
| Java | (Advanced) | DAX | (Advanced) |
| Over 3 years of experience in High School and University | | Used for data extraction while creating reports in Power BI | |
| JavaScript | (Intermediate) | SQL | (Intermediate) |
| Learning to use various technologies like Node.js and React | | Learnt SQL in University and have used it on multiple occasions | |
| C++, Scala | (Beginner) | Animation, Robotics | (Beginner) |
| Currently learning in University | | Deployed my skills to conduct workshops for the IT Committee | |
| HTML, CSS | (Intermediate) | Game Development | (Beginner) |
| Used in websites and other projects | | Worked on Blender and Unity on some of my own projects | |
| React, Node.js and MongoDB | (Intermediate) | SEO | (Beginner) |
| Using to develop web app for C Cube Pvt Ltd | | Performed some SEO for a company in 2014 | |
| React Native | (Beginner) | Microsoft Office | (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.
- 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 Jawarlal 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

Sports

- Enjoy cycling whenever I get a chance. Was part of the School team for both Cricket and Basketball and played district level matches for both.