AKSHAT SOOD

Phone: 07940224000 | Email: akshat.sood@kcl.ac.uk | Website: akshatsood.com

A self-motivated and highly focused computer science student who exhibits widespread competence and charisma in a multitude of activities. 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

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

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

Responsible for developing a Web App for Singapore based logistics e-commerce platform using the MERN Stack and transform a startup idea into a reality. Designed the frontend using JSX, CSS and React Dependencies and worked on the backend while enhancing my knowledge of React, Node.js and MongoDB. Implementing a heuristic algorithm to efficiently pack several boxes in a given space. Focused on improving code quality and enforcing proper coding practices. Worked largely unsupervised and met target deadlines.

SHIFT MANAGER, MATSYA RESTAURANT, MAYFAIR

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

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

Provided data analytics for the website providing 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.

HEAD OF THE IT COMMITTEE, SHIKSHANTAR

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. Became the youngest member of any Committee due to my knowledge and passion for IT and soon became the head for my leadership and organizational skills.

PROJECTS

CAPO FOR DUMMIES

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

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 most of the backend including transition between different scenes and the Compare Panel which lets you shortlist properties and view them in a separate list.

THE VOICE LONDON DATABASE

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

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

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

Java — ●●●●○
Over 3 years of experience in High School and University

JavaScript — ●●○○○
Learning to use various technologies like Node.js and React

C++ — ●●○○○
Currently learning in University

HTML — ●●●●○
Built websites including my own website

CSS — ●●●○○
Used in multiple projects, including websites and apps

React — ●●○○○
Using to develop web app for C Cube Pvt Ltd

React Native — ●●○○○
Used to develop native app

Node.js — ●●○○○
Currently using to develop web app for C Cube Pvt Ltd

Scala — ●○○○○
Currently learning in University

MongoDB — ●●○○○
Using in projects at C Cube Pvt Ltd

DAX — ●●●●○
Used for data extraction while creating reports in Power BI

SQL — ●●●●○
Learnt SQL in University and have used it on multiple occasions

Animation — ●●○○○
Deployed my skills to conduct workshops for the IT Committee

Robotics — ●●○○○
Deployed my skills to conduct workshops for the IT Committee

Game Development — ●●○○○
Worked on Blender and Unity on some of my own projects

Microsoft Office — ●●●●●
Well versed with most services provided

SEO — ●○○○○
Performed some SEO for a company in 2014

OTHER HOBBIES

DRUMMING

Have always enjoyed playing various instruments including the Piano, Tabla and the Saxophone, but Drums have always been my favorite. Have performed at multiple locations including Jawarlal Nehru Stadium during a fund raiser for the Indian Cancer Society and taught drums for a few months in 2017. 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 skills

CYCLING AND SPORTS

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