AKSHAT SOOD

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EDUCATION AND COURSES

BSc (Hons) Computer Science with a Year in Industry | King's College London, UK   2017 - 2021

- Expecting a *first* along with a *specialization in Artificial Intelligence*
- Awarded a *first* in the 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 Applications (91%).
- Awarded a *first* in the second year; modules included Introduction to Artificial Intelligence (85%), Foundation of Computing 2 (93%), Programming Language and Design Paradigms (78%), Software Engineering Group Project (76%), Internet Systems (79%), Operating Systems and Concurrency (63%) and Practical Experiences of Programming (71%).
- Fourth year modules include Artificial Intelligence Reasoning and Decision Making, Artificial Intelligence Planning, Cryptography, Machine Learning, Information Security and Optimization Methods.

High School | Shikshantar Senior Secondary School, 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

Certifications and Awards| London, UK   2019 - 2020

- *AWS (Amazon Web Services) Certified Cloud Practitioner (2020)*
- Awarded *King's Experience Enterprise Award (2019)*
- *King's Leadership and Professional Skills Award (2019)*

WORK EXPERIENCE

Junior Analyst | Capacitas   Jul 2019 – Aug 2020

- Reduced performance risk for a British airline group by scripting and executing integration load tests using JMeter, Python and Java for production like scenarios involving HTTP and FTP requests, database queries, MQ message transfers and batch jobs.
- Identified and resolved critical system bottlenecks in an e-commerce platform resulting in a successful peak trading period.
- Collaborated with British and overseas clients to understand system architectures and resolve test environment issues
- Improved consultant productivity by independently developing automation software to optimize data analysis and service delivery processes.
- Coded customizable mock HTTP servers in Java by extending open source tools for use during testing for various projects.
- Worked with the development team to develop a scheduled test automation tool in an agile development environment.

Tech Lead | Renai   Mar 2019 – Aug 2019

- Developed a web app for London based online platform for live-streamed fitness classes with an instructor providing real-time feedback.
- Enhanced the design and established 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   Apr 2018 - Jul 2019

- Developed a web application for Singapore based logistics e-commerce platform using the MERN Stack.
- Implemented a heuristic algorithm to efficiently pack several boxes in a given space in order to optimize container storage space.
- Improved code quality and enforced proper coding practices. Worked largely unsupervised and met target deadlines.

Data Analyst| Glorious Insight   Jun 2018 – Jul 2018

- Designed interactive business report dashboards using Power BI and DAX.
- Explored data visualization, ad hoc analytics and querying, enterprise reporting, operational BI and SaaS (Software as a Service) BI.

Data Analyst | NIA Agrocommodity Marketplace   Jun 2017 – Jul 2017

- Analyzed Agrocommodity marketplace insights and customer practices to improve client interaction and retention.

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

DevPlexus | Independent Project   Aug 2020

- Developed a social media web application for developers and IT professionals using the MERN (React.js, Express, Node.js and MongoDB) stack while integrating platform wide state management using Redux.

NHS My Buddy App | King's College London — Mar 2019
- Developed a cross platform mobile application using React Native specially designed for the Maudsley NHS foundation Trust Helping Families Team which is a specialist mental health service for families in complex circumstances.
- Implemented a buddy system for the clinicians to ensure peer security and safety while keeping track of appointments.
- Used agile methodologies and teamwork skills to ensure guidelines given by the client were met.

Laravel Game Rentals Web App | King's College London — Sep 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.
- Ensured continued execution of backend tasks using SQL Scheduled Tasks and enforced database validation.

Capo for Dummies | Independent Project — Sep 2018
- Developed a cross platform mobile application using React Native 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 Property Viewer | King's College London — Mar 2018
- Created a full stack desktop application for a marketplace displaying data given in a CSV using Java, FXML, CSS and Google Maps API.
- Collaborated with a team of 3 developers and focused on code quality, coherence and consistency while using GitHub for version control.
- Designed the UI to be interactive and seamless to improve user experience and navigation.

The Bo'Real' Forest | King's College London — Feb 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

Java	*(Advanced)*	**Python**	*(Intermediate)*
Over 4 years of experience in High School and University		Developed various applications for data analytics and ML	
JavaScript	*(Intermediate)*	**SQL, MongoDB, DAX**	*(Intermediate)*
Used in various technologies like Node.js and React		Used in multiple projects and at Capacitas	
C++, Scala	*(Beginner)*	**JMeter**	*(Intermediate)*
Various University courseworks		Used extensively for load testing at Capacitas	
HTML, CSS, PHP	*(Intermediate)*	**SEO**	*(Beginner)*
Various web development projects		Performed SEO for Inspire.Edu	
React.js, Vue.js, Node.js, Laravel	*(Intermediate)*	**Animation, Robotics**	*(Beginner)*
Used in various web development projects		Deployed my skills to conduct workshops for the IT Committee	
React Native	*(Beginner)*	**Microsoft Office**	*(Advanced)*
Developed various native mobile apps including NHS My Buddy		Well versed with Excel, PowerPoint, Word, etc.	

POSITIONS OF RESPONSIBILITY

Head of the IT Committee | Shikshantar — Apr 2015 – Mar 2017
- Became the youngest member of any Committee at High School 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 200% and membership numbers by 50%.
- 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
- 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