

Akanksha Sharma

☎ +44 7845407267 | ✉ akankshassharma99@gmail.com | in aki-sharma | 🌐 akanksha-sh

EDUCATION

Imperial College London

MEng Computing

Oct 2018 – Jun 2022

On track for 1:1

The British School of Kuwait

A-Levels: Math A Further Maths A Physics A Chemistry A*

Sep 2016 – Jun 2018

EXPERIENCE

AgoraX

Web Developer

Sep 2020 – Present

- Develop a PWA for AgoraX - a virtual magazine striving to eliminate bias and give a voice an opinion to people
- Current phase: design and development working alongside product strategy team to find the best approach to development based on business needs

Alghanim Industries

Tech intern

July 2019 – August 2019

- Learned about inner workings of the IT Service team from responding to support tickets/incidents, working with AD Manager to deploying company image onto devices
- Highlighted and benefits and feasibility of switching to a CMDB and developed marketing strategies and solutions for a smooth transition
- Delivered presentations to company executives on my progress, highlighting potential solutions for the areas of concerns identified

PROJECTS

ShopWise | *Swift, Python, Flask, Kaleido, Solidity, Heroku*

🏆 Runners Up ICHack 20 (Money For Good)

- A supermarket self-checkout iOS application that allows users scan and pay, view healthier, cleaner, cheaper alternatives as well as suggested recipes for scanned items.
- Allow users to track food supply chain via block-chain ecosystem with smart contract
- Utilises CISCO's Meraki API to create a synchronised item grabbing verification system storing timestamped snapshots

CodeSatori | *Java, ReactJS, Docker, Springboot, Firebase, PostgreSQL, Heroku*

- A webapp deployed on Heroku for **teachers** to manage classes and programming assignments, and for **students** to access and complete their coding tasks using an embedded compiler.
- Full-stack development (with continuous delivery) in conjunction with Google's Firebase for user authentication.
- The evolution of our UI and UX design was governed by weekly distinct user testing iterations from our stakeholder - Computing teachers and students from Merchant Taylors' School.

WACC Compiler | *Kotlin, ANTLR4, Docker, Gradle, Bash*

- Developed a compiler including a lexer, parser, semantic checker, TAC interpreter and code generator.
- Implemented continuous delivery for automated testing of the different components of compiler.
- Optimisations such as peephole, standard library, constant evaluation and propagation, function overloading.

Pintos Operating System | *C*

- Implement a priority and BSD scheduler for an x86 architecture OS.
- Implement user program to allow interaction with OS via system call and extend OS to use virtual memory.

TECHNICAL SKILLS

Languages: C, Java, Kotlin, Haskell, JavaScript, SQL, HTML/CSS

Software & Tools: Git, Docker, GitlabCI/CD, LaTeX, Figma, MS Office 365, Windows, Linux

Languages: *Proficient:* English, Hindi *Elementary:* Arabic, Spanish