Manav Jain

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EDUCATION

Imperial College London (MEng Computing)   October 2021 – June 2025
- **Notable Modules:** Machine Learning, Operations Research, Robotics, Calculus, Logic & Reasoning, Graphs & Algorithms, Computer Systems, Databases, Linear Algebra. Software Design, Finance and Management.
- **Additional courses**: Distinction in Algorithmic Trading course by Imperial College Algorithmic Trading Society.
- **LetsSolveLunch:** Website in Django to reduce food wastage with real-time responsiveness. Built as a final second-year group project.
- **WACC:** Compiler for a mock programming language (WACC) built using Scala and a parser generator.
- **Pintos:** Implementation of the original operating system was initially done as an exercise at Stanford from the ground up with extensions to functionality.
- **C group project:** Emulator for ARM processor, with the corresponding assembler and BASIC compiler in C.

Step by Step School   August 2019 - August 2021
- **Grade 12 CBSE**: 98%
- **Coordinator Technology**: Led all affairs related to tech and built online teaching infrastructure during Covid.
- **Class Representative**: Liaised between the class and faculty for academic and non-academic activities.
- **Student head of school Math Fest** (600+ attendees): Now an annual event. Invited as guest speaker.

TECHNICAL SKILLS

Languages	Expert: Python, MySQL; Intermediate: HTML, CSS, Kotlin, Haskell, Java, Scala Basics: Dart, C, JavaScript
Utilities	Linux, Office, Git, VSCode, VM VirtualBox, Sublime Text, IntelliJ, WSL, Jira, Postico

INDUSTRY EXPERIENCE

Python Backend Software Engineer: Revolut   June 2023 – September 2023
- Oversaw a project to redesign the backend for the internal risk access platform to extend a new opinionated framework Alpha.
- Worked with new modules and utilities such as SQLAlchemy, PostgreSQL, Alembic, Atlassian services, etc.
- Made 50+ pull requests and wrote 12000+ lines of code.

Software Automation Intern: Spyne   March 2022 - August 2022
- Led the advanced automation with the help of BeautifulSoup and Selenium with Python.
- Worked with AWS servers to allocate system resources and automate the upload and download schedules.
- Adhered to and met strict project deadlines and learnt how to create rigorous and thorough testing.

Software Engineering Intern: GetGrocery   August 2019 - October 2020
- Worked on remaking their website using Django and MySQL.
- Collaborated with a large team and understood the fundamentals of e-commerce.
- Responsible for increasing efficiency while reducing load times and balancing what is appealing to the consumer and what is viable based on prior data analysis.

LEADERSHIP

Head of Corporate Relations: Imperial Algorithmic Trading Society (800+members)   April 2023 – Present
- Responsible for establishing objectives and budgets for events, sponsors, and seminars, coordinating with committee members such as the President, Head of Events, Secretary, etc.
- Managed all meetings with key companies, external parties, and sponsors.

Tutor: Ascientia   January 2023 – Present
- Taught IB students Math and Computer Science.
- Helped and guided students to create and brainstorm ideas for personal projects.

INTERESTS / ACHIEVEMENTS

Lead Programmer: First Tech Challenge
- Invited to the Maryland Tech Invitational to represent India in FTC in 2018.
- Secured 2nd place nationally, received the Connect award and ranked 12 out of 5,000 teams internationally.

Presentation and Hardware Lead: Mindspar
- Awarded the first prize as the best idea in Mindspar in 2019 from 50 college/school teams.
- Presented to 500+ attendees our design of a low-cost air purifier for buses which reduced emissions by 70%.