Imran Ahmed

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EDUCATION

University of Cambridge   2014 – 2018
BA and Masters (MEng) in Information & Computer Engineering
First Year Grade: 1st, Second Year Grade: 1st, MIT GPA: 5.0/5.0, Masters Grade: Distinction (Top 10%)
Masters Project: Automatically identify lung abnormalities from sounds recorded on a digital stethoscope

Massachusetts Institute of Technology, Cambridge-MIT Exchange   2016 – 2017
GPA: 5.0/5.0, Research Projects: CPU-based astronaut detection for the ISS; RL for the treatment of Sepsis (NeurIPS '17 ML4H workshop paper)

EXPERIENCE

McKinsey & Company, London: *(Management Consultancy) – Associate*   Aug '18 – Present
- Started as a Data Scientist at QuantumBlack, McKinsey's Advanced Analytics division. Transitioned to a Business Analyst role to build a new set of non-technical skills and was promoted to Associate within 1 year (typically takes 2+ years).
- Led a cross-functional team of 5+ data scientists, data engineers, and SMEs to develop an extendable advanced analytics tool and dashboard to help a large telecommunications OEM to improve their products and operations (cutting operations burden by up-to 20%). This work involved co-ordination with senior stakeholders across various business units, and was presented directly to Board.
- Developed strategic roadmaps for 30+ digital and analytics use-cases (worth >$50m) across various subdivisions of an energy major.
- Leveraged multiple public data-sources (e.g., clinical-trial data) to formulate the marketing strategy for a drug targeted to launch in 2023.
- Co-authored McKinsey's first machine learning publication, presented at ICLR's DebugML & ICML's AIFSG workshops in 2019.

Vivacity Labs, London: *(Computer Vision and Machine Learning Start-up) – Product Manager Intern*   June '17 – Sept. '17
- Led the design and development of the MVP of a mobile transport app to commercialise one of the world's largest city-wide smart-sensor deployments in Milton Keynes, UK.
- Worked with a developer to build internal web-tools to reduce the time spent manually annotating facilities on maps within cities by 5x.

Interactive Robotics Lab, MIT: *(Robotics Research Group) – Undergraduate Researcher*   Sept. '16 – June '17
- Developed an astronaut detection system, using machine learning. This formed part of a NASA-led research project at MIT for an autonomous robot which will be deployed on the ISS.
- Improved an open-source detection system and implemented a multi-processing module for efficient parallelised classification.

EXTRACURRICULAR PROJECTS

McKinsey Venture Academy: *Student Social Enterprise Accelerator; Co-lead; https://ventureacademy.mckinsey.com/*   Sept. '18 – Present
- Co-led this competitive programme (100+ teams annually) for students at UK universities interested in social entrepreneurship.
- Successfully partnered with individuals at Entrepreneur First, Oxford's Skoll Centre, and Grameen Impact Investing to produce a series of educational webinars which covered various elements of social enterprise.

Hackbridge.io: *Student Innovation & Making Group; https://hackbridge.io*   Jul. '17 – Jul. '18
- Founded a student organisation to foster an undergraduate 'maker' environment at Cambridge. Hackbridge has grown into one of the university' largest tech-focussed student communities, enabling 30+ technology projects annually.

SpatialRL: *Improbable Prize Winner, Hack Cambridge 2017*   Jan. '17
- Created a platform to facilitate the training of Reinforcement-Learning agents at scale by combining Unity and SpatialOS.
- Successfully implemented DQNs to achieve a 'proof-of-concept' task. Our team was awarded the Improbable prize at Hack Cambridge.

Educational Video Compression: *Prize Winner, Facebook Global Hackathon Finals; http://ylgh.github.io*   Oct. '16 – Dec. '16
- Created a method to compress educational videos by 100x to reduce the data cost of accessing online education.
- We productised and donated our algorithm to DotLearn, an MIT-based education startup working on a similar problem.

AWARDS AND ACHIEVEMENTS

2017 – RAEng Future of Engineering Prize (Runner-Up): A national prize for engineers who display strong entrepreneurial talent.

2017 – MIT Sandbox Innovation Fund: Awarded a $5,000 grant to support the development of ML-based side-projects.

2015 & 2016 – Scholarships to Caius College, Cambridge: Awarded scholarships for my performance in my examinations.

2016 – RAEng Engineering Leaders Scholarship: Awarded a £5,000 scholarship for demonstrating strong leadership potential.