Shamveel Ahammed

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Education

- **The University of Manchester, Manchester, UK.**   **2015 - 2020**

MEng (Hons) Software Engineering with Industrial Experience.   Expected: First Class

▸ Developing a 'Navigation Aid for the Blind' application using Google's Tensorflow API trained on COCO dataset for real-time object detection and effective auditory feedback .

▸ Achieved a first class grade in the first year team project, through developing excellent group communication and self-management skills using query-based learning.

▸ Developed a multi-threaded, client-server open source containing over 6000 Java Classes using Eclipse, Apache Ant, Jenkins, and JUnit as part of the second year Software Engineering project called the Stendhalgame.org.

▸ Developed a client-server web application as a part of Software Engineering group project, using the Java Spring Framework and third-party APIs (Maps, twitter). Also, added REST features to add more functionality to the application.

▸ Developed and implemented Machine Learning algorithms (K-Nearest and Perceptrons) in "Hand Writing Recognition" and "Email Spam Filtering" projects.

▸ Developed an interactive web server - client interface with XML parsing using HTTP Commands.

▸ Developed an OpenGL application replicating a 3D rendering of the Solar System, with texture and interactive viewpoint.

- **International Turkish Hope School, Dhaka, Bangladesh.**   **2008 - 2014**

• A Levels examination conducted by Pearson Edexcel:	• IGCSEs examination conducted by Pearson Edexcel:
Mathematics (A*), Pure Mathematics (A*), Physics (A), Chemistry (A) . *Obtained Country Highest marks in Pure Mathematics .	8 (5 A*, 3 A) including Maths, Physics, Chemistry, and English.

Relevant Work Experience

- **HORNET REPRESENTATIVE, UNIVERSITY OF MANCHESTER, MANCHESTER.**   **2017-08 - PRESENT**

Achievements and responsibilities:

▸ Delivered resident computer assistance in the University's halls of residence, and also educated residents about technology resources to promote academic and personal growth.

▸ Worked as part of a large team in conjunction with PSS IT Support Staff, the Hornet Reps support computers, the residential computer networks and computer clusters.

- **SUMMER INTERN, MOHONA PACKAGES, DHAKA.**   **2017-07 - 2017-08**

Achievements and responsibilities:

▸ Created a logistics software to calculate Raw Materials intake for a specific order and produce a production report all at once.

▸ Developed a user-friendly software to generate Delivery Forms to meet various delivery requirements.

- **SUMMER INTERN, MAGNAPASS CO.UK, MANCHESTER.**   **2016-08 - 2016-09**

Achievements and responsibilities:

▸ In charge of developing the company's website and integrating company's database (magnapass.co.uk).

▸ Worked in a large team, and as an apprentice for the Company's Chief Technological Officer.

▸ Developed and implemented new features on the website including designing frameworks and database integration, and also participated in code reviews and debugging.

▸ Worked on the code base which implemented a lot of Node JS and Angular JS elements.

- **WEBSITE DEVELOPER (PAID), TRADE YOUNG, DHAKA.**   2016-06 - 2016-07

Achievements and responsibilities:

▸ In charge of creating the company's website and the company's partner website *(tradeyoung.com).*

▸ Worked as the main lead to complete the project, which implemented a modern custom user interface.

▸ Added new features and did code reviews, along with finding smart solutions to bugs.

▸ Consulted on the overall design changes to the website, favouring a customer-oriented approach.

▸ Utilised a lot of visual graphics to give a minimalistic clean User Interface experience.

Other Work Experience

- **PEER MENTOR, UNIVERSITY OF MANCHESTER, MANCHESTER.**   2016-08 - 2017-06

Achievements and responsibilities:

▸ Assisted first-year students in transitioning to the University, through constant collaboration and group activities.

▸ Organised interactive learning session to complement the lectures and ensure an overall understanding of core concepts.

- **MATHEMATICS TEACHER'S ASSISTANT (PAID), QED ACADEMY, DHAKA.**   2014-08 - 2015-08

Achievements and responsibilities:

▸ Assisted IGCSE & A levels students to solve complex mathematical questions and organised summer learning programs for students.

Technical Skills

Programming and applications	Where used	Level of competence
Java, Python, C	Modules in Year 1 and 2.	High
HTML, CSS, PHP and MySQL	First Year Project	High
Eclipse, Xcode, Ant, Jenkins, Apache, Github	Second Year Project	High
Verilog, Assembly Language, MatLab	Modules in Year 1 and 2.	Medium
C++, OpenGL, Spring MVC, Amazon Web Services	Modules in Year 2 / Projects	Medium
Latex, Slack, UNIX, iOS and Android Development	Group Projects	Medium

Additional Skills and Activities

▸ Working as the Computer Science Student Ambassador at the University on Open and Visit Days to assist new students.

▸ Participated in Hackathons like "The Great Uni Hack and StudentHack Manchester", BAE Systems Capture the Flag and Google HashCode Challenges.

▸ Took online courses in Java Script, HTML5, CSS, PHP, Python and Ruby on Rails from codecacademy.com.

▸ Proficiency in all areas of Microsoft Office, Apple Office Suites and Adobe Creative Cloud Packages.

▸ Completed 20 hours of volunteering to achieve the Manchester Leadership Programme.

Hobbies and Interest

I am a member of the University of Manchester's Computer Science Society (CSsoc) and was the "Media and Communications Manager" for Bangladesh Student Society (BSS) for 2016-17. For the society, I created and promoted events through various social media outlets. Aside from that, I enjoy socialising with others, listening to music and am a digital photography enthusiast.

References are available upon request.