Ashish Tibrewal

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EDUCATION

UNIVERSITY OF EDINBURGH
MSc in Artificial Intelligence | Distinction (Expected)

Edinburgh, U.K.
Sep 2018 – Present

UNIVERSITY OF BRISTOL
MEng in Computer Science & Electronics | Upper Second Class Honours (2:1)

Bristol, U.K.
2012 – 2016

THE ASSAM VALLEY SCHOOL
Indian School Certificate (Equivalent to U.K. A Levels) | Grade: 91%
Indian Certificate of Secondary Education (Equivalent to U.K. GCSE) | Grade: 89%

Assam, India
2010 – 2012
2004 – 2010

EXPERIENCE

HCL TECHNOLOGIES
Software Engineer | Business Services AI/ML Team

New Delhi, India
Oct 2017 – Jul 2018

- Researched and developed AI/ML products (PoCs and MVPs) for several HCL clients
- Designed signature localisation and offline verification system using deep learning techniques (YOLO and SigNet) for cheque, invoice, and form processing with an accuracy of 70%
- Researched techniques for one-shot learning and forgery detection using deep neural networks
- Involved in the entire data pipeline including data sourcing/collection, generation, annotation, cleaning, preprocessing, and iterative training, tuning, and model evaluation, data augmentation for training YOLOv3, and documentation

RENISHAW PLC
Research Engineer | Group Engineering Team

Wotton-under-Edge, U.K.
Jan 2015 – Sep 2015

- Researched and built a prototype of a passive non-contact 3D scanner
- Designed, developed, and analysed a serial communication and PI control system, including low-level design synthesis
- Designed a .NET application to interface with the scanning system. Designed APIs to support EmguCV & MS SQL Server
- Optimised performance by implementing a multi-threaded design, and integrated support for MATLAB and GNU Octave to run image processing scripts using OLE Automation
- Drafted comprehensive documentation covering design and implementation details including software documentation. Involved in frequent code/design reviews and presentations with senior members of the team

HIDDEN BRAINS INFOTECH
Software Analyst Intern | Planning, Analysis & Prototyping Team

Ahmedabad, India
Aug 2014 – Sep 2014

- Analysed client proposal documents, drafted software requirements specification (SRS), scope of work, business requirement, and database documents
- Designed UML models for several website and mobile application development projects
- Improved existing SRS documents to minimise development required reducing delivery time and costs

SKILLS & ACHIEVEMENTS

SKILLS
Programming: C, C++, Java, Python, MATLAB, SQL, HTML, CSS, JavaScript, Haskell, Bash, LaTeX
Machine Learning: Predictive Modelling, Data Visualisation, Hadoop (MapReduce), Deep Learning
Software Engineering: Agile (Scrum & Kanban), DevOps, TDD, CI/CD, Git, UML, Web & Mobile Development
Languages: English (Bilingual fluency), Hindi (Bilingual fluency), Assamese (Native fluency)
Interests: Coding, Reading, Photography, Sports (Lawn Tennis, Squash & Football), Cooking/Baking, Travelling

ACHIEVEMENTS

Selected for Facebook Analytics Academy 2018	2018
Dean's International Intern Scholarship Scheme (Nomination & honourable mention)	2014
Barry Thomas Scholarship for Computer Science	2012
Major Colours for Lawn Tennis and Photography, and Minor Colours for Squash	2008 – 2011
International Exchange Programme, Sydney	2010
Represented Assam at the Junior National Squash Championships, Ajmer	2007