

SHANTANU GHOSH

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EDUCATION

UNIVERSITY OF FLORIDA,

GAINESVILLE, FL, USA

MASTER'S IN COMPUTER AND INFORMATION SCIENCES

Aug 2019 - Aug 2021 | GPA: 3.78/4

INSTITUTE OF ENGINEER- ING AND MANAGEMENT,

KOLKATA, WEST BENGAL, INDIA

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

Aug 2008 - Aug 2012 | GPA:
8.38/10

SKILLS

PROGRAMMING LAN- GUAGES

C/C++ • C#/Net • JAVA •
JavaScript/TypeScript • Python

DATABASE

MySQL • Oracle 9i/10g • MS SQL
Server • DB2

WEB DEVELOPMENT

Angular • Node.js • WCF

INFRASTRUCTURE/ BUILD

• AnthillPro • Jenkins

MACHINE LEARNING

• TensorFlow • PyTorch • NumPy •
scikit-learn

COURSEWORK

• Fundamentals of Machine Learning
• Distributed Operating Systems •
Computer Networks • Mathematics
for Intelligent System • Advanced
Data Structure

ACHIEVEMENTS

• Recipient of **National Scholarship**
Award from **Central Government**
Human Resource Development
Department of Higher Education for
excellent result in Higher Secondary
Examination in the state of West
Bengal, India.

PROFESSIONAL EXPERIENCE

SOFTWARE ENGINEERING PROFESSIONAL

LEXMARK INTERNATIONAL INDIA PVT LTD

October 2016 - July 2019 | Kolkata, West Bengal, India

- Worked as a Senior Software Developer of the product Publishing Platform for Retail(PPR) and developed InStore Publisher component(ISP) of PPR.
- Worked as a Senior UI developer using Angular, Bootstrap, HTML5, CSS and performed unit testing using Jasmine/Karma Framework.
- Performed requirement analysis and create and update Technical Design Documents and Functional Specifications Documents.
- Active participation in 2 major releases.

ASSOCIATE, PROJECTS

COGNIZANT TECHNOLOGY SOLUTIONS INDIA PVT LTD

February 2016 - September 2016 | Kolkata, West Bengal, India

- Worked as an Application developer for the project Wells Fargo Domain Services and Customer Centre Optimization.
- Developed WCF web services in Contract First Approach to provide secure communication between different In-house applications and the reporting platform of Wells Fargo.
- Developed Web services in Service Oriented Architecture (SOA) using C# .Net 4.0/ 4.5.2, Oracle Client 11g.
- Performed stringent code review using DEV PARTNER and unit testing using Soap UI 5.3 and Moq (Mock) Framework.
- Coordinated with various other teams for Integration Testing and Production Deployment. Provided production support as required.
- Trained C# and Oracle to the new recruits in the Cognizant Academy.

PROGRAMMER ANALYST

COGNIZANT TECHNOLOGY SOLUTIONS INDIA PVT LTD

March 2013 - January 2016 | Kolkata, West Bengal, India

- FULL STACK developer for 1EXF(Excellence First) Web Application using Oracle 10g, C# .Net 3.5/4.0, Angular Js, HTML, CSS, Bootstrap.
- Built the 1EXF Batch application architecture using C#, Unity Framework, Dependency Injection and Interception.

INDIVIDUAL PROJECTS

IMPLEMENTATION OF P2P NETWORK

2019 | Computer Networks | University of Florida, FL, USA

Created a peer-to-peer network for file downloading. There are two pieces of software – peer and file owner. The file owner has a file, and it breaks the file into chunks of 100KB, each has been stored as a separate file. Each peer connects to the file owner to download some chunks. It then has two threads of control, one acting as a server that uploads the local chunks to another peer (referred to as upload neighbor), and the other acting as a client that downloads chunks from a third peer (referred to as download neighbor). So each peer has two neighbors, one of which gets chunks from this peer and the other sends chunks to this peer.

CLASSIFICATION OF HANDWRITTEN CHARACTERS

2019 | Fundamentals of Machine Learning | University of Florida, FL, USA

Developed a deep CNN to classify Handwritten Characters, by training it with the Handwritten Character Dataset under the guidance of Prof Alina Zare by inspired by the famous architecture "Lenet"

(<http://yann.lecun.com/exdb/publis/pdf/lecun-01a.pdf>) by utilizing the Adam Optimizer and Batch Normalization and achieved a classification accuracy of 97.3%.