

# 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

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

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%.