

# ANWESA BASU

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## EDUCATION

**Northeastern University, Khoury College of Computer Science, Boston, MA**  
Master of Science in *Computer Science*  
Relevant Courses: Database Management Systems, Program Design Paradigm

**Institute of Engineering and Management, Kolkata, India**  
Bachelor of Technology in *Information Technology*  
Relevant Courses: Algorithms, Database Management Systems

June 2016 – July 2017  
GPA: 8.66/10

## TECHNICAL SKILLS & CERTIFICATIONS

**Programming Languages:** C#, Java, Python, PLSQL, R  
**Technologies:** ASP.Net, ADO.Net, MVC 4, MVC 5, Web API, Angular 4.0, Web Services, HTML, CSS, Entity Framework  
**Tools/Software:** MS Visual Studio, VS Code, MS SQL Developer, IBM RTC, SOAP UI, HP ALM, ITSM Remedy, Power BI, Eclipse, MS Azure, R studio  
**Databases:** MSSQL, Oracle 10g, Oracle 11g, SQLite, MYSQL

**Certifications:** Microsoft Certified Data Analyst Associate in Power BI, Microsoft certified in Azure Fundamentals, Infosys Certified Agile Developer, Infosys Certification on Programming using Python, WebTek Labs certified PHP developer with MYSQL

## WORK EXPERIENCE

**Technology Analyst, Infosys, Bhubaneswar, India** Apr 2021-Jan 2022

- Understanding the business requirements and performing a thorough impact analysis on the new requirements
- Involving into coding for major enhancements as part of Re-platforming process which includes addition of several new interfaces and complete functional changes
- Working in critical business documents such as SRS, FDS, TDS, RTM etc.
- Defect Fixing as part of several stages of SIT and UAT

**Senior Systems Engineer, Infosys, Bhubaneswar, India** July 2019-Apr 2021

- Writing Unit Test Cases, performing Unit testing, Regression Testing, SIT, Web Services testing by using tool like SOAP UI
- Deployment of code to development server and System Testing Server
- Performing Data Mop-Up activity, Code Reconciliation process
- Service Requests, Change Requests as per client requirements
- Automation of Manual Deployment Process
- SPOC for a web-based application
- Impact analysis, Effort Estimation, Finding optimal solution
- Finding cardinality between different entities, creating ERD, finding data dependencies etc.
- Communicating with clients and onsite leads to identify their needs and find their optimal solution

**Systems Engineer, Infosys, Bhubaneswar, India** Jun 2018-July 2019

- Providing support to client for maintaining a web-based application
- Solving incidents and performing regression testing

**Teaching Assistant, Infosys, Mysore, India** March 2018- Jun2018

- Given teaching assistance to provide training and guidance to the newly joined trainees at Infosys

**Systems Engineer Trainee, Infosys, Mysore, India** December 2017 – March 2018

- Infosys training on DP-200: Implementing Azure Data Solution
- Infosys training on basic and advanced C#, ASP .NET MVC, ASP .NET WebAPI (May,2020)
- Completed Infosys training on programming fundamentals, object -oriented programming, Data Structures and Algorithms using Python (March,2018)

## ACADEMIC PROJECTS

**Analyze bird strikes on aircraft, Northeastern University(2022)**

- Developed a logical data model, a relational schema based on bird strikes incident data using R and mysql.
- Performed simple analytics using R on the bird strike data.
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**Image Encryption by improvised CHAOS function algorithms, IEM (2016-17)**

- A thesis-based project which focused on studying different existing chaotic maps and identifying their vulnerabilities in implementing image encryption. It proposed a solution to overcome these vulnerabilities by increasing the randomness of the chaotic maps which resulted into a more secure process of image encryption.
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**Online movie ticket booking system, Webtek Lab(2016)**

- A fully functional online web-based application in PHP and MySQL with the help of HTML and CSS.

## Awards:-

- Insta Award, Infosys -2019
- One time recognition reward, Infosys -2020

