

# PROBAL CHANDRA DHAR

1878 E 9 Mile Road  
Appt # 1308, Jasmine Creek Apartments  
Pensacola, Florida 32514  
(850)-696-8203  
E-mail: [pd24@students.uwf.edu](mailto:pd24@students.uwf.edu), [probalcse0818@gmail.com](mailto:probalcse0818@gmail.com)

## EDUCATION

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**Master of Science, Computer Science,** 08/2017 - Present  
University of West Florida Pensacola, Florida  
Current GPA: 3.94  
Relevant coursework: Algorithms & Data structures, Systems & networks, Java programming, Database, Data mining, Advanced Database systems, Advanced Programming Languages, Research Project.

**Bachelor of Science, Computer Science & Engineering,** 02/2009 - 01/2014  
Rajshahi University of Engineering & Technology, Rajshahi, Bangladesh  
GPA: 3.32  
Relevant coursework: Software Engineering, Microprocessors & Assembly Language, Compiler Design, Operating Systems, Parallel & Distributed systems. Neural Networks, Image Processing, Digital Signal Processing, Computer Graphics, Peripherals & Interfaces, Discrete Mathematics etc.

## RESEARCH INTERESTS

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Data Science, Data Mining, Big Data, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing.

## RESEARCH EXPERIENCE

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**Graduate Research Assistant** 05/2017 - Present  
Department of Computer Science, University of West Florida, Pensacola, Florida  
This Research Project is in progress with *Dr. Thomas Reichherzer*.

- Organize Database for Smarthome Project.
- Handle the Casebase Modelling in Smarthome.
- Built the WebServices for Different Agents in Smarthome.

**Graduate Research Assistant** 05/2017 - Present  
Department of Computer Science, University of West Florida, Pensacola, Florida  
This Research Project is in progress with *Dr. Sikha Bagui*.

- Acquired Basics of MapReduce.
- Understand Apache Hadoop for handling Big Data.
- Implemented and optimized Clustering algorithms in Apache Hadoop.
- Acquired and Investigated Association Rule mining in Apache Hadoop.

## TEACHING AND MENTORING EXPERIENCE

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**Teaching Assistant, Introduction of Computer Organization** 08/2016 - Present  
Department of Computer Science, University of West Florida, Pensacola, Florida

- Created and graded course assessments to ensure students understood material and stayed on track.
- Helped students to get better understanding of the lectures and notes during office hours.

**Teaching Assistant, Introduction to Cyber Security** 08/2017 - Present  
Department of Computer Science, University of West Florida, Pensacola, Florida

- Grading Lab Assignments including JBLearning Assignments.
- Helping students during Lab hours to complete the work for the assignments.

**Teaching Assistant, Algorithm and Program Design**

01/2017 - 08/2017

Department of Computer Science, University of West Florida, Pensacola, Florida

- Helped students in Programming in the Lab to get better understanding how a program would work in C.
- Graded programming assignments, programming workshops.

**Teaching Assistant, Theory and Fundamentals of Operating Systems**

05/2017 - 08/2017

Department of Computer Science, University of West Florida, Pensacola, Florida

- Graded in-class assignments and homework offered by instructor.
- Helped students develop a better understanding of the topics covered in the class during office hours.

**Teaching Assistant, Software Engineering II**

01/2017 - 05/2017

Department of Computer Science, University of West Florida, Pensacola, Florida

- Graded programming projects.
- Helped students who had problems understanding the topics covered during class.

**Teaching Assistant, Software Engineering I**

08/2016 - 12/2016

Department of Computer Science, University of West Florida, Pensacola, Florida

- Graded programming projects and midterms.
- Helped students to understand the topics covered in the class in one-on-one session using white board, slides etc.

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**TECHNICAL SKILLS**

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**Programming:**

- C, C++, Java, Python, PHP, Laravel, WordPress, JavaScript, jQuery, AngularJS, HTML, CSS,

**Operating Systems:**

- Unix, Mac OS and Windows.

**Network Technologies:**

- TCP/IP, UDP, SSH.

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**TECHNICAL EXPERIENCE**

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**Software Engineer**

1/2014 - 6/2016

Noobis Inc. Dhaka, Bangladesh

- Maintained websites with PHP, JavaScript, WordPress.
- Managed payment gateways, several APIs using JavaScript libraries like jQuery and AngularJS.
- Built websites with Laravel that used for crowdfund.

**Intern Software Developer**

07/2012-12/2013

Noobis Inc. Dhaka, Bangladesh

- Learned basics of web development.
- Built Joomla websites using custom themes.
- Built WordPress themes, plugins.

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**COURSEWORK**

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Operating Systems  
Design & Analysis of Algorithms  
Advanced Data Structures  
Advanced Java Programming  
Data Mining

Computer Networks  
Neural Networks & Fuzzy Systems  
Artificial Intelligence & Expert System  
Systems & Networks I & II  
Advanced Database Systems

Microprocessors & Assembly Language  
Compiler Design  
Parallel Systems  
Database systems  
Advanced Programming Languages

## REFERENCES

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**Dr. Thomas Reichherzer**

Chair and Associate Professor

Department of Computer Science, University of West Florida

1100 University Parkway

Pensacola, Florida.

Building 4, Room 227

(850) 474 - 2612

[treichherzer@uwf.edu](mailto:treichherzer@uwf.edu)

**Dr. Sikha Bagui**

Professor

Department of Computer Science, University of West Florida

1100 University Parkway

Pensacola, Florida.

Building 4, Room 245

(850) 474 - 3022

[bagui@uwf.edu](mailto:bagui@uwf.edu)

**Dr. John Coffey**

Professor

Department of Computer Science, University of West Florida

1100 University Parkway

Pensacola, Florida.

Building 4, Room 434

(850) 474 - 3183

[jcoffey@uwf.edu](mailto:jcoffey@uwf.edu)