

CURRICULUM VITAE

Rajib Nath Bhowmick

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OBJECTIVE:

To work in a challenging and highly competitive environment where I would be able to explore my abilities and hence contribute to the best of myself.

EDUCATIONAL QUALIFICATIONS:

STANDARD	INSTITUTE	BOARD/ UNIVERSITY	YEAR	PERCENTAGE/ GRADE POINT
M. TECH. (Computer Science & Engineering)	Narula Institute of Technology (Agarpara, Kolkata)	West Bengal University of Technology	2007 - 2009	7.37 out of 10
B. TECH. (Computer Science & Engineering)	Saroj Mohan Institute of Technology (Guptipara, Hooghly)	West Bengal University of Technology	2003 - 2007	8.39 out of 10
10+2 (Higher Secondary)	Netaji Shikshayatan (Agarpara, Kolkata)	West Bengal Council of Higher Secondary Education	2001	63.8%
10th (Madhyamik)	Ramakrishna Mission Boys' Home High School (Rahara, Kolkata)	West Bengal Board of Secondary Education	1999	81.88%

WORK EXPERIENCE:

INDUSTRY:

- Worked as **Recovery Subject Matter Expert (Department: Business Assurance- Incident Management)** in **BT e-Serv (India) Private Limited** at Newtown, Rajarhat, Kolkata from **10th June, 2022 to 17th September, 2024**.

ACADEMICS:

- Working as **Assistant Professor** in **Adamas University** at School of Engineering & Technology at the Department of Computer Science & Engineering in Barasat, Kolkata, West Bengal from **18th September, 2024 to till date**.
- Worked as **Assistant Professor** in **Dream Institute of Technology** (Affiliated to MAKAUT, formerly known as WBUT and approved by AICTE) at the Department of Computer Science & Engineering in Thakurpukur, Kolkata, West Bengal from **14th February, 2022 to 05th June, 2022**.
- Worked as **Faculty** in **Panindia Education Infra Support Services Pvt. Ltd.**, a unit of **RICE Group, Adamas Knowledge City** in Barasat, Kolkata, West Bengal from **1st July, 2019 to 21st October, 2021**.
- Worked as an **Assistant Professor** in **Adamas Institute of Technology** (Affiliated to MAKAUT, formerly known as WBUT and approved by AICTE) at the Department of Computer Science & Engineering in

Barasat, Kolkata, West Bengal from **1st January, 2011 to 30th June, 2019.**

- Worked as a **Lecturer** in **Adamas Institute of Technology** (Affiliated to MAKAUT, formerly known as WBUT and approved by AICTE) at the Department of Computer Science & Engineering in Barasat, Kolkata, West Bengal from **18th June, 2010 to 31st December, 2010.**
- Worked as a **Lecturer** in **Calcutta Institute of Technology** (Affiliated to WBUT and approved by AICTE) at the Department of Computer Science & Engineering in Uluberia, Howrah, West Bengal from **20th April, 2010 to 17th June, 2010.**
- Worked as a **Lecturer** in **Institute of Science & Technology** (Affiliated to WBUT and approved by AICTE) at the Department of Computer Science & Engineering in Paschim Medinipur, West Bengal from **14th January, 2009 to 18th April, 2010.**

ADDITIONAL PROFESSIONAL RESPONSIBILITIES:

- Currently supporting the organization in various **Automation Projects (through VBA, Python).**
- Played the role and responsibility of **Academic Coordinator** in Adamas Institute of Technology.
- Worked as a member in **Quality Assurance Cell**, Adamas University.
- Worked in the documentation process of **QS I-GAUGE rating and NAAC Criteria-III** for Adamas University.
- Worked in the **Chancellor Cell**, Adamas University.
- Played the role of **UMS coordinator** in the office of Dean, School of Engineering & Technology, Adamas University.
- Served as **Supervisor of Exam cell** to supervise examination jobs under MAKAUT.
- Served as **Deputy Convener of Central Committee of Examination** of Adamas Institute of Technology.
- Served as **Teacher-in-charge** in the Department of CSE of Adamas Institute of Technology.
- Served as **Executive Member of Anti-Ragging Committee** of Adamas Institute of Technology.
- Served as member of Cultural Committee of Adamas Institute of Technology.
- Organizing committee member of National Seminar on “Big Data Analytics (BIDAAN-2015)” organized by Adamas Institute of Technology.
- Member of the organizing committee of “Inspire Science Camp” sponsored by Department of Science & Technology, Government of India.
- Mentor of students of the Department of CSE of Adamas Institute of Technology.
- Project guide of different projects carried out by students of CSE & IT of Adamas Institute of Technology.

SUBJECTS TAUGHT:

- Formal Language and Automata Theory
- Compiler Design
- Design and Analysis of Algorithm
- Basic Computation and Principles of Computer Programming
- Digital Electronics
- Multimedia Technology
- Data Structures & Algorithm

PROJECT:

Project title: Mobility Management using Hierarchical Mobile IP (HMIP)

Technologies: MS Windows XP, Visual Studio 6, OPNET Modeler 14.0 (Simulator)

Brief Description:

In the wireless domain, management of frequent mobility of the Mobile Node (MN) is a challenging issue. Frequent change of network requires a new IP address to route packets from host to host. It is done by performing binding update MN with the Home Agent (HA) when the Care of Address (CoA) changes. This registration requires large number of location updates, excessive signaling traffic and service delay. This problem is solved by HMIP using the concept of hierarchy of Foreign Agent (FA) and the Gateway Foreign Agent (GFA)/ Mobility Access Point (MAP) to localize the registration information. This article presents an overview of set of HMIP based mobility protocols with their advantage and disadvantages and a network model is proposed removing the binding update with HA and simulates its performance in OPNET Modeler simulator.

PUBLICATION:

Sajal Saha, Rajib Nath Bhowmick, et al, "Analysis of Hierarchical Mobile IP Based Fast Mobility Management Schemes", First Conference on Networks and Communications, NetCoM 2009, Chennai, India, December 27-29, 2009; IEEE Computer Society pp. 338 - 343. DOI: 10.1109/NetCoM.2009.81.

TRAININGS UNDERTAKEN:

- Undertaken training on **VB.Net** (Front End) and **MS Access** (Back End) from CMC Ltd., Park Street during the period Jun - Jul, 2005.
- Certificate in "**Computer Network Configuration and Maintenance**" from **Techno Lab** (A Division of **Amar PC**) during the period Jan-Feb, 2006.
- Training on **Developer** (Front End) and **Oracle** (Back End) in **Steel Authority of India Ltd. (CCSO, Dhanbad)** during the period Jun-Jul, 2006.

SEMINARS AND WORKSHOPS ATTENDED:

- Participated two-day workshop on **CAD Tools for VLSI Design** held on **21st - 22nd November, 2007** at the West Bengal University of Technology in collaboration with Synopsys.
- Participated in the conference tutorial of the **9th International Conference on Distributed Computing and Networking (ICDCN 2008)** held on **January 5, 2008** organized by Department of Computer Science & Engineering, Jadavpur University, Kolkata.
- Attended one-week AICTE/MHRD sponsored summer school on **Implementing CISCO IOS Network Security IINS-10** from **5th July, 2010 to 10th July, 2010** organized by Department of Computer Science and Engineering, NIT Hamirpur (HP).
- Participated in the short-term course on **Data Structures & Algorithm** held at IIT Guwahati from **July 4th - 8th, 2011** organized by Department of Computer Science and Engineering.

- Participated in the short-term course on **Recent Advances in Network Algorithms** held at IIT Guwahati from **September 9th - 13th, 2013** organized by Department of Computer Science and Engineering.
- Participated in the seminar on **Recent Trends in Multimedia Technology and Its Applications** held at Adamas Institute of Technology, Barasat on **September 28, 2013** organized by Department of Computer Science and Engineering and Information Technology.
- Participated in the seminar on **Big Data Analytics (BIDDAN 2015)** held at Adamas Institute of Technology, Barasat on **24th April, 2015** organized by Department of Computer Science and Engineering and Information Technology.
- Attended the Webinar on **Problem Based Learning (PBL) on June 28, 2020** conducted by Department of Mathematics, School of Basic and Applied Sciences, Adamas University, Kolkata, West Bengal.

COMPUTER SKILLS:

- **Software Skills:** Advanced MS Excel & VBA, MS-Word, MS- Powerpoint, Power BI
- **Languages:** C, C++, Core Java, Python
- **DBMS Packages:** Oracle, SQL Server
- **Operating Systems:** DOS, MS Windows, Linux
- **Hardware:** Computer assembling & troubleshooting, Network configuration.

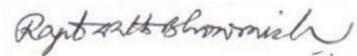
PERSONAL PROFILE:

Father's Name : Nanigopal Nath Bhowmick
Mother's Name : Khukurani Nath Bhowmick
Sex : Male
Nationality : Indian
Date of Birth : 19th November, 1981
Hobbies : Painting and crafting, Listening Songs.
Address : 47, Laha Bagan, S.M. Bose Road, P.O. - Panihati, Kolkata - 700114
Languages Known : Bengali, English and Hindi.

DECLARATION:

I hereby declare that the particulars written above are true to the best of my knowledge and belief.

Date:
Place:



(Rajib Nath Bhowmick)