Tonmoy Saha Roy

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI
M.Tech. in
Computer Science & Engineering
Graduated May 2014 | Guwahati, India
CGPA: 8.30/10

BENGAL ENGINEERING & SCIENCE UNIVERSITY
B.E. in
Computer Science & Technology
Graduated June 2011 | Howrah, India
Overall Percentage: 64%

ST. JOSEPH HIGHER SECONDARY SCHOOL
H.S.C. GPA-5/5 in 2006
Dhaka, Bangladesh

COURSEWORK

GRADUATE
Mobile Robotics
Data Structure & Algorithms
Operating Systems
Computer Networking

UNDERGRADUATE
Database Management Systems
Image Processing
Software Engineering
Artificial Intelligence
Object Oriented Systems

SKILLS

FRAMEWORK
Zend • Spring • Codeigniter
PROGRAMMING
Over 1000 lines:
PHP • Java • Oracle • JQuery • C++ • C
Familiar:
Python • Android • C# • MySQL
FREQUENTLY USED TOOLS
• Netbeans • Toad • Eclipse • Kinect

HOBBIES
Photography, Traveling, Reading

ONLINE PROFILE

EXPERIENCE

COMPUTER NETWORK SYSTEMS LIMITED
| Programmer Analyst
July 2014 – Present | Dhaka, Bangladesh
- BRTA Service Portal (BSP) - To develop a web based application with various services for Public & BRTA authority to ensure a easy, faster and secure processing of the BRTA services.
- Developing Online Motor Vehicle Taxes and Fees Payment System for Bangladesh Road Transport Authority (BRTA) including Online Payment Mechanism & Web Portal.
- Developing Online Application Management System for the Services by Department of Textile including Online Payment Mechanism & Web Portal.
- Development and Maintenance of Modern Computerized Toll Collection System for Meghna-Gumti & Muktapur Bridge
- Development and Maintenance of the official website for Bangladesh Road Transport Authority (BRTA).

CMC LTD. | Intern
Jan 2010 – May 2010 | Kolkata, India
- Design and Development of Online Examination System.

ACADEMIC ACTIVITIES

MASTERS THESIS - On Grounding Symbols for Robots
Under the guidance of Prof. Shivashankar B. Nair | IIT Guwahati, India

COURSE PROJECT # 1- Real-Time GPS for Robots
Under the guidance of Prof. Shivashankar B. Nair | IIT Guwahati, India

COURSE PROJECT # 2- Implementation of Robot's Line Following and Dynamic Obstacle Avoidance
Under the guidance of Prof. Shivashankar B. Nair | IIT Guwahati, India

COURSE PROJECT # 3- Teaching Hygiene using Microsoft Kinect
Under the guidance of Prof. Shivashankar B. Nair | IIT Guwahati, India

PUBLICATION & PRESENTATION

ON GROUNDING SYMBOLS FOR ROBOTS
In Fourth International Conference of Emerging Applications of Information Technology (EAIT)
December 2014 | Kolkata, India

OTHER

- **Graduate Record Examinations (GRE)**, Nov 2015

  Verbal - 147, Quantitative - 158, Analytical - 3.5

- **International English Language Test System (IELTS)**, Nov 2014

  Listening-7.0,Reading-6.5,Speaking-6.5,Writing-7.0,Overall-7.0

- Quality Assurance Member, CNS LTD.