

Rahul Biswas

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🌐 Website



Career Objective

Seeking a role in an institution that values sustainability and strives to positively impact the IT society and environment while providing opportunities for educational development. I am eager to contribute my skills and expertise while seizing opportunities for continuous professional growth and improving my deliverable skills with best practices.

Education

- 2021–23 **Masters of Technology in Computer Science and Engineering, 2 Years.**
Institution: Indian Institute of Technology Ropar, Punjab, India
CGPA: 7.85 out of 10
- 2017–21 **Bachelor of Technology in Computer Science and Engineering with Specialization in Information Technology, 4 Years.**
Institution: Vellore Institute of Technology, Vellore, Tamil Nadu, India
CGPA: 8.35 out of 10
- 2015–17 **Higher Secondary School Certificate (HSC), Chattogram Board.**
Institution: Cambrian College, Chattogram, Bangladesh
Passing Year: 2017
GPA: 4.08 out of 5
- 2009–15 **Secondary School Certificate (SSC), Chattogram Board.**
Institution: Hazi Mohammad Moshin Govt High School, Chattogram, Bangladesh
Passing Year: 2015
GPA: 5 out of 5

Work Experience

- 2022–23 **Worked on Government Project under iHub-AWaDH for my Master's Thesis.**
Place: Indian Institute of Technology, Ropar
Duration: 1st August – 15th May
Supervisor: Dr. Neeraj Goel – Domain coordinator, Agriculture and Water Technology Development Hub (AWaDH) IIT Ropar, Ropar, Punjab - 140001
- 2019 **Worked as a Web Developer for the Internship .**
Company: CTG IT Service Limited
Designation: Internship
Duration: 6th June – 6th July

Volunteer Works

- 2019 **Worked as a Volunteer and Presented Poster at the conference in USA.**
Institution/Venue: Indiana University, Purdue University, Indianapolis, USA (IUPUI)
Organized by: Vellore Institute of Technology, India
Conference: The 2nd World Summit on Advances in Sciences, Engineering and Technology, IUPUI, Indianapolis, USA.
Duration: 2nd October – 5th October
Conference Chair: Dr. Partha Sharathi Mallick, PRO VC, VIT Vellore, India
- 2023 **Worked as a Volunteer and Presented Paper at the conference in India.**
Institution/Venue: Indian Institute of Technology Ropar, Punjab, India
Conference: International Conference on Agriculture-Centric Computation 2023
Duration: 11th May – 13th May
Conference Chair: Dr. Neeraj Goel & Dr. Mukesh Kumar Saini, IIT Ropar, India

Projects

- M.Tech **Intelligent Chatbot Assistant in Agriculture Domain..**
Thesis **Technology Used:** NLP, Sentence Transformer, TF-IDF, Bag-of-words, Python, API Services, Android.
- B.Tech **AgriFriend: A Robust Approach for Crop Recommendation System. .**
Capstone **Technology Used:** Naive Bayes, Decision Tree, Random Forest, SVM, Xgboost, API Service, Flask.
- Others **Drowsiness Detection System. .**
Project **Technology Used:** OpenCV, Haar cascade Classifier, Python
- Full Stack **Management System using PHP. .**
Development **Topics:** (College Admission, E-birth Certificate, Pharmacy) Management System.

Skills and Activities

- Programming **Python, C++**
Language:
- Web: **HTML, CSS, Bootstrap, PHP**
- Software & **Camtasia Video Editing, Google Colabs, Spyder, Jupyter Notebook, Latex,**
Tools: **VScode, Draw.io**
- Operating **Windows, Linux**
System:
- Office **MS Word, MS Excel, MS PowerPoint**
Package:
- Database: **SQL, MYSQL**
- Advanced **NLP, Applied Machine Learning**
Learning:

API Testing Tool: **Postman**
Software Testing: **Test Scenario and Test Case Writing, Bug Reporting, Test Case Analysis**
Performance Testing: **JMeter**
Source & Version Control: **Github**

Publications

Conference: **Intelligent Chatbot Assistant in Agriculture Domain.**
Accepted in: International Conference on Agriculture-Centric Computation 2023
Will be Published: Springer CCIS Book series.
Author's: Rahul Biswas*, Neeraj Goel

Journal: **The Assisting Pair – A New Approach for Assist the Blind People.**
Published in: International Research Journal of Modernization in Engineering Technology & Science
Sources: Volume:03/Issue:05/May-2021
Author's: Rahul Biswas*, Shaikat Das Joy

Achievements

For paper publications of my Master's Thesis, the grant received from the Department of Science and Technology, Government of India, for the Technology Innovation Hub at the Indian Institute of Technology Ropar in the framework of the National Mission on Interdisciplinary Cyber-Physical Systems (NM - ICPS).

Certifications

- **Nerual Network & Deep Learning**, *Offered by Coursera.*
- **Advanced Algorithms & Complexity**, *Authorized by University of California San Diego and National Research University Higher School of Economics and offered through Coursera.*
- **Initiating & Planning Projects**, *Authorized by University of California, Irvine and offered through Coursera.*
- **Natural Language Processing**, *Offered by Udemy.*
- **PHP for Beginners –Became a PHP Masters**, *Offered by Udemy.*
- **Software Testing**, *Offered by Udemy.*
- **Web Design for Web Developers**, *Offered by Udemy.*

Personal Details

Name: **Rahul Biswas.**
Father Name: **Eng. Dilip Kumar Biswas.**

Mother Name: **Mrs. Shilpi Biswas.**
DoB: **10th September 1999.**
Status: **Single.**
Religion: **Hindu.**
Nationality: **Bangladeshi.**
Gender: **Male.**
Blood Group: **O+.**
Home Town: **Chattogram, Bangladesh.**
Present Address: **Chattogram, Bangladesh.**

References

1. **Dr.Shirshendu Das.**
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Indian Institute of Technology Hyderabad, Telangana, India
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2. **Dr.Neeraj Goel.**
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Contact

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