

EDUCATION

West Bengal University of Technology, India

Jul 2020

- B.Sc. in Computer Science and Engineering (CSE)
- CGPA: 7.34/10.00
- Research focus: *Machine learning & Data Science*
- Thesis Topic: 'Knowledge Based Customer Churn Prediction For Telecom Services Using Python' [[Project link](#)]/[[GitHub](#)]

Higher Secondary School Certificate (HSC)

Chittagong, Bangladesh

Chittagong Science College, Chittagong

2013 - 2015

- GPA 4.25/5.00

Secondary School Certificate (SSC)

Chittagong, Bangladesh

Hazi Mohammad Mohsin Government High School, Chittagong

2011 - 2013

- GPA 4.44/5.00

INDUSTRY EXPERIENCES

Ellipsys Private Limited

Feb 2022– Present

Software Engineer

Enterprise Resource Planning (ERP) system

- Web Tool Development including development frontend using angular 15, Java 18 and Spring boot
- Jasper Report making using jasper report version 6.3
- API Development and Integration *Employment ID Card*
- Develop desktop application Tool Development Java 8, Java Swing.
- Jasper Report making using jasper report version 5.6.
- Doing manual testing.
- Detect and correct interface issues.
- Fixing bug issues.

The Sparks Foundation, Heng Mui Keng Terrace, Singapore

Aug 2020 – Sep 2020

Data Science & Business Analytics Intern

- I do predict the percentage of marks that a student is expected to score based upon the number of hours they studied. This is a simple linear regression task as it involves just two variables.
- I have to do unsupervised learning from the given 'Iris' dataset, and predict the optimum number of clusters and represent it visually.
- I have to create the Decision Tree classifier and visualize it graphically. The purpose is if we feed any new data to this classifier, it would be able to predict the right class accordingly.
- I have to explore Business Analytics by using Tableau.

TRAINING EXPERIENCES

Ogma TechLab, Kolkata, INDIA

Apr 2019 –July 2019

Industrial Trainee

Training focus: *Python, NumPy, Matplotlib*

- Applied machine learning models (Linear, Lasso, SVM, Decision Tree, Random Forest, Logistic Regression)
- Application of logistic regression from scratch on diabetes dataset

Aspire vision Tech Education Private Limited, Telangana, INDIA

Dec 2019-Jan 2020

Industrial Trainee

Training focus: *HTML, CSS, JavaScript, Python, Django*

- Using Django framework to make the project of ticket reservation system.
- Grade : A

RESEARCH INTEREST

- Artificial intelligence
- Computer vision
- Machine learning
- Natural language processing
- The Web & information retrieval
- Data mining
- Computer Security
- Robotics

PUBLICATIONS

- Ushashi Chowdhury*, **Pranjal Chowdhury***, Sourav Paul, Anwesha Sen, Partho Protim Sarkar, Shubhankur Basak, Abari Bhattacharya, "Multi-sensor Wearable for Child Safety" 2019 IEEE 10th Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON).
- **Pranjal Chowdhury***, Partho Protim Sarkar, "A Research Paper on Data Analysis (rating distribution, time series analysis) & using The Recommendation Algorithm with Cosine similarity, Correlation matrix and SVD on Amazon dataset" International Journal of Modern Trends in Engineering and Science(IJMTES).
- **Pranjal Chowdhury***, Sourav Paul, Partho Protim Sarkar, Miso Dhar Chando, Prinkle Chowdhury, "A Mathematical Model To Resolving Mixed DNA Samples By Using Linear Mixture Analysis" The Journal of Mathematical Sciences and Computational Mathematics (JMCM)".
- **Pranjal Chowdhury***, Prinkle Chowdhury, Pranta Barua, Miso Dhar Chando and Abdur Rahim Nishad, "Greenhouse Monitoring System Using Deep Learning & Internet of things" International Journal of Innovative Research in Physics (IJIRP) .
- **Pranjal Chowdhury***, S Paul, R Rudra, R Ghosh, "Cyber-Attack in ICT Cloud Computing System" Information and Communication Technology for Competitive Strategies (ICTCS 2021)

RECOGNITION & AWARDS

- Achieved 1st prize for Content writing in The Bong Tales event programme.
- Achieved 1st prize for model exam in Medico Coaching.
- Achieved 32nd rank in Wheebox National Employability Test.
- Achieved NPTEL Elite Certification in Machine Learning for Engineering, 2019
- Achieved University Of Leeds And Institute Of Coding Certification in learn to code for the web, 2020
- Achieved British Council Certification in Pre-Intermediate Field Of Study English Language and Literature/Letters, 2019
- Achieved Microsoft Technology Associate Certification in MTA: Introduction to Programming Using Python - Certified 2020

EXTRACURRICULUM ACTIVITIES, LEADERSHIPS

- Active Member of IEEE IEM Students Branch
- Organizer & Participants in 'Tech Fest, Fest, Teachers Day, Fresher's Welcome'
- Participated in Tree Plantation and up keeping
- Participated in Research Publication
- Campus ambassador in Frapp (Futwork)

PARTICIPATION IN PROGRAMMING CONTESTS & PROBLEM SOLVING

- Participation in Online Assessment of Hero Campus Challenge Season 5 organized by Hero MotoCorp Limited.
- Participation in Code Chef programming contest which was organized by Institute of Engineering and Management.
- Participation in AMCAT Employability Test.
- Participation in CoCubes Technologies Pvt. Ltd. Employability Test.
- Participation in Wheebox National Employability Test.

PPROFESSIONAL AFFILIANTIONS

- Member, IEEE
- Member, Computer Society of India (CSI)
- Member, Research Foundation of India
- Member, IEEE IEM Students Branch
- Member, Rotaract Club

RELEVANT SKILLS

- *Programming Language:* Python, Java, C, MATLAB, Tensor Flow, Karas , Java Swing, Spring Boot
- *Database:* MySQL, Oracle
- *Web Tools:* HTML, CSS, Angular, Typescript
- *SDK:* Jupiter Notebook, NetBeans, VS code , Google Colab
- *Platform:* Windows , Ubuntu
- *Office Suite:* Microsoft Word, Excel, PowerPoint

REFERENCES

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