Janin A Apurba

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github.com/Apurba94

Summary

I am a Computer Science and Engineering graduate with a deep passion for solving problems through code. Over the past decade, I've immersed myself in competitive programming, which has sharpened my ability to think critically and design efficient algorithms. Alongside this, I've developed a strong interest in artificial intelligence, machine learning, deep learning, and computer vision—areas where I've gained hands-on experience through academic projects and self-driven learning. I enjoy exploring how data and intelligent systems can solve real-world problems and am always looking for opportunities to grow, collaborate, and build meaningful technology.
Problem-solving career link: stopstalk.com/user/profile/studywithjaninYT

Education

B.Sc. in Computer Science & Engineering	*April 2016-2025*

Ahsanullah University of Science and Technology, Dhaka
CGPA: 2.325/4.00
Graduation Result Published: 19th January 2025

Higher Secondary Certificate (HSC)	*Year: 2015*
Kurigram Govt. College	**GPA: 5.00/5.00**
Secondary School Certificate (SSC)	*Year: 2013*
Kurigram Govt. High School	**GPA: 5.00/5.00**

Fields of Interest

- Competitive Programming
- Artificial Intelligence
- Machine Learning & Deep Learning
- Data Structures and Algorithms
- Image Processing & Computer Vision
- Data Science

Skills

Proficient in: C, C++, Java, Python, R Programming, SQL, React.js, Node.js, ASP.NET (MVC, Core Web API), Machine Learning, Deep Learning, Neural Networks **Familiar with:** CSS, HTML, JavaScript, Bootstrap, Mobile App Development, UX/UI Design

Research & Publications

1. Thesis on "Pedestrian Detection And Risk Level Classification in Perspective of Bangladesh"(Not published Yet)
2. Thesis on "Car Speed Checker with and Over-Speed Penalty System" (Not published yet)
3. Emotion Detection at Lightning Speed: Leveraging YOLOv11 for Facial Expression Analysis (Published processing)

Experience

Competitive Programmer *Apr 2014 – Present*
   -10+ years of experience in competitive programming on various platforms (Codeforces, Codechef, Hacker-rank etc.)

    GDG TensorFlow Workshop *Google Developers Group, Dhaka*
   -Attended a full-day workshop on TensorFlow, AI, machine learning, and data mining.

    MVP Program Trainee *Microsoft, Dhaka*
   -Participated in a workshop on AI, computer vision, and Microsoft Azure.

    Research Assistant (RA) *Robo Tech Valley, Dhaka*
   -Research Based on AI/ML, Computer Vision, Deep learning projects.

Projects

- Auto-Parts Management System, Windows Application   CODE
  Developed in NetBeans using JSwing and Apache Derby
- Shop Management System, Android Application   CODE
  Developed in Android Studio using Kotlin
- Contact Management System, Database Application   CODE
  Developed in NetBeans using Java and MSSQL
- AUST-ICPC, Web Application   CODE
  Developed in Visual Studio Code using HTML, CSS, PHP, and MySQL on Xampp
- Ride Sharing Management System, Windows Application   CODE
  Developed in ORACLE using PL/SQL
- 2D Game Development: DARKO FIGHTER   CODE
  Developed in 2D Game Development using C, C++ and i-Graphics libraries
- Computer Graphics Project   CODE
  Developed in NetBeans using Javascript and Html
- PORTFOLIO of JANIN A APURBA   LIVE CODE
  Developed in Web using CSS, Html, Javascript and PHP

Licenses & Certifications

- Data Scientist Certificate – 365 Data Science (DD-5EA8905997)–LINK
- Advanced Learning Algorithms – Stanford University (FL8YQGRKVBXG)–LINK
- Capstone: Retrieving, Processing, and Visualizing Data with Python – University of Michigan (Q8FVWV6BRBZP)–LINK
- Unsupervised Learning,Recommenders,Reinforcement Learning –DeepLearning.AI(ZWQZ6NH39SDJ)–LINK
- Divide and Conquer, Sorting and Searching, and Randomized Algorithms – Stanford Online (P5Q32DHMY98V)–LINK
- Advanced Algorithms and Complexity – Coursera (KBU9LT9VLHUD)–LINK
- Object-Oriented Data Structures in C++ – Coursera (2EDZ4XBHE754)–LINK
- Introduction to DevOps – Coursera (GYNEKC3BC67K)–LINK
- Python Basics – Coursera (P64XZA4MSQ9Q)–LINK
- Data Structures and Algorithms – Board Infinity (BI-2011115431982)–LINK
- Full Stack Development – Board Infinity (BI-2011115431982)–LINK
- Git and GitHub – 365 Data Science (CC-B7A5AE885E)–LINK
- Introduction to Jupyter – 365 Data Science (CC-5A161DB35E)–LINK
- SQL – 365 Data Science (CC-4423D92F7D)–LINK
- Machine Learning with Ridge and Lasso Regression – 365 Data Science (CC-48BF454870)–LINK
- Machine Learning with Naïve Bayes – 365 Data Science (CC-2E7D7E2EA5)–LINK
- Machine Learning with K-Nearest Neighbors – 365 Data Science (CC-0B120E48F0)–LINK
- Machine Learning with Decision Trees and Random Forests – 365 Data Science (CC-34180551C5)–LINK
- Blockchain for Business – 365 Data Science (CC-131253FB18)–LINK
- Linear Algebra and Feature Selection – 365 Data Science (CC-EB9FBB807B) –LINK

- MLOPS Bootcamp – DataMites –LINK
- Project Management – 365 Data Science (CC-AD89D3D571)–LINK
- AI Applications for Business Success – 365 Data Science (CC-61944AF70D)–LINK
- Product Management for AI and Data Science – 365 Data Science (CC-A7999D71B4)–LINK
- Introduction to R Programming – 365 Data Science (CC-3C98567C57)–LINK
- Python Programmer Bootcamp – 365 Data Science (CC-746700C319)–LINK
- Game Development using PyGame – GUVI Geek Networks (6Fw1E0965u72Y0X657)–LINK
- Convolutional Neural Networks with TensorFlow in Python – 365 Data Science (CC-448A6A999A)–LINK
  40+ ALL ECA Course Certificates LINK

Honors & Awards

Competitive Programming Awards
Recognized for outstanding performance in online programming contests across various platforms.
Talent Pool Scholarship *Mar 2008*
Received a scholarship in Class 5; ranked 4th in Kurigram District.

References

- **Dr. Taslim Taher**
  Assistant Professor, CSE, AUST
  Phone: +880166620796
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- **Dr. Md. Shahriar Mahbub**
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