




Mirza Mohammad Azwad

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in Mirza Mohammad Azwad

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Education

- 2021-...  **BSc. Engg. in Software Engineering** Islamic University of Technology
Results: CGPA **3.90**(Till 6th Semester)
- 2018-2020  **A Levels** SFX Greenherald In't School and College
Results: **4 A*, 1A**
Extra-curricular activities: Greenherald Computer Club(GCC): *Founding President*
- 2007-2018  **O-Levels** SFX Greenherald In't School and College
Results: **8 A*, 1A**
Extra-curricular activities: Greenherald Debating Society(GDS): *Participated in BTV debate 2016*, Greenworld Earth Club(GWEC): *Secretary of Publication and Confab*, Fx-13 Chrome Science Club: *Olympiad Secretary*





Skills

- Coding  Python, JavaScript, TypeScript, Java, PHP, C, C++, C#, Prolog, SQL, NoSQL, Dart, HTML, CSS, ShellScript(Bash)
- Machine Learning  Pandas, Spark, Scikit-Learn, Numpy, Scipy, PyTorch. fastAI
- Databases  MySQL, PostgreSQL, MongoDB, neo4J, IndexedDB, oracleXE
- Frameworks  ReactJS, ExpressJS, JAVA Springboot, PHP Laravel, DART flutter
- Languages  Strong reading, writing and speaking competencies for English and Bangla.
- Game Development  C#, Unity Engine
- Misc.  Competitive Programming(Solved 700+ Problems in Codeforces, AtCoder, LeetCode, CodeChef, UVA, CSES, LightOJ and Vjudge), CTF, Web Development Projects and Machine Learning
- Cloud Services  Google Cloud Platform(GOOGLE CLOUD RUN, GOOGLE CLOUD BUILD, COMPUTE ENGINES, API ENGINE, CLOUD FUNCTIONS, CLOUD SQL, CLOUD OBJECT STORAGE, MEMORY STORE,VPC CONFIGURATIONS)
- Dev Ops  GitHub Actions, Terraform, Docker, RabbitMQ, Apache Kafka, Kubernetes

Certification

- 2023  **Certified DeepLearning.AI.** Unsupervised Learning, Recommenders, and Reinforcement Learning
-  **Certified DeepLearning.AI.** Advanced Learning Algorithms
-  **Certified DeepLearning.AI.** Supervised Machine Learning: Regression and Classification

Awards and Achievements

- 2024  **Participated in CodeCrafters International Ltd. Devsprint 2024:**1st Runner's Up, Team NaN
- 2023  **2nd Runners Up BUET CSE FEST Hackathon** Dev Ops Segment, Team IUT_NaN
-  **5th Position in CodeRush 1.0 Intra IUT CTF**, Team CyberShepards
-  **15th Position in DU ITverse CTF**, Team IUT_Quaso

Awards and Achievements (continued)

- Participated in **Brackleys GameJam 2023.2**, we became 693rd Internationally
- Participated **DU ITverse Hackathon** Dev Ops Segment, Team IUT_NaT
- 2022 13th **Position in International Rover Design Challenge** as a part of IUT Mars Rover, Anirban
- 2021 1st **Runners Up MIST Inter-University ICT Innovation fest Hackathon** Prompt: For Education, Team: Ligno
- Participated in **Intra First Year Programming Contest** Became one of the top 7 teams
- Participated in **National Cyber Drill 2021** Became one of the top 300 teams in our first CTF
- 2018 Participated in **Microsoft Young Bangla Internship Program "Shohayotha"**, rose to the top 15 teams, offering telemedicine solutions for improved mental health support
- 2016 1st **Runners Up Web Design**, Notre Dame Annual Science Festival 2016 and 26th GKC

Projects

Academic Projects github.com/azwadmira

- CSE 4554-Machine Learning Titled: **Automated Python Code Bug Detection using Software Metrics**, employing software metrics and ML to predict bugs in PYTHON code.
- SWE 4304-Software Project Lab I Titled: **"Ed-Ez"**, a Google Classroom clone using HTML, CSS, JAVASCRIPT, PHP, and MYSQL.
- SWE 4404-Software Project Lab II Titled: **"MedGuard"**, a pharmacy-based e-commerce system on the MERN stack, incorporating CLOUDINARY for file storage, OAUTH, GOOGLE MAP SERVICES, and SOCKET.IO for chat systems.
- SWE 4504-Design Project Lab I Titled: **DataAnalytica.io**, built with REACT, PYTHON, DJANGO, and MONGODB for Exploratory Data Analysis and basic ML simulations.

Personal and Professional Project github.com/mirzaazwad

- Vaccine App Developed with GOOGLE CLOUD RUN and CLOUD BUILD, logging with DATADOG.(**BUET CSE Fest Hackathon 2023-DevOps Segment**)
- Tax Wizard Automated CI/CD with GITHUB ACTIONS, deployment using TERRAFORM on GOOGLE CLOUD RUN and GOOGLE CLOUD BUILD, logging with DATADOG.(**DU ITverse HackTheVerse Hackathon 2023-DevOps Segment**)
- Diving Deeper Developed a 2D game with UNITY ENGINE and C#(**Brackleys GameJam 2023**).
- ProjectHub MERN stack project-management tool with real-time features and CI/CD pipelines.(**BUET DevSprint 2024**)