Ashraf Chowdhury

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https://akc302.github.io/ashraf-portfolio/ · www.linkedin.com/in/akc302/ · www.github.com/akc302 ·

As a University Lecturer, guided more than 1000+ students in Computer Science & Engineering and worked in various development projects, improved algorithms, and wrote research papers in Machine Learning. Looking for opportunities as a Software Engineer in a progressive organization to enhance my knowledge and utilize my skills towards the growth of the company.

EDUCATION

United International University - *Dhaka, Bangladesh*   January 2017 - March 2021
Bachelor's Degree – Computer Science And Engineering, **CGPA: 3.98 / 4.00**
Excelled in courses: Object-Oriented Programming, Data Structure and Algorithm, DBMS, OS, Software Engineering, Math

TECHNICAL SKILLS

Languages:	Java, Python, JavaScript, C, C++, PHP, Assembly, JSON, XML, LaTeX, SQL
Technologies:	AWS (IAM, ELB & ASG, EC2, S3, Security & Compliance, VPC & Networking, Databases & Analytics)
	Framework/Libraries (React, React-Native, Bootstrap, Node.js, jQuery, Express)
	Database (MySQL, MongoDB, Google Firebase, PostgreSQL, DynamoDB)
	Tools (Git, VS Code, Trello, JIRA, MS Project, IntelliJ, Eclipse, Android Studio)
	Methodologies (REST, Agile, Microservices, Continuous Integration/Deployment)

WORK EXPERIENCE

T-Mobile - *New York, USA*   September 2022 - Present
Mobile Associate
- Consistently leverages digital tools in interactions, onboarding and troubleshooting devices, software issues.
- Fixing bugs, exploring individual needs and providing hands-on demonstrations of the latest and greatest technology.

Northern University Bangladesh - *Dhaka, Bangladesh*   June 2021 - May 2022
Lecturer
- Provide lectures on Object-Oriented Programming, Data Structure & Algorithm Analysis, Web Development, System Analysis And Design courses, Structure Programming Language for in-person class and sometimes remotely.
- Supervised projects led by students on building effective market-facing productivity software and guided them with market-penetration strategy.
- One of my supervised projects is currently running, called NUB Mart which has features for selling laptops, PC, tablets etc. Worked as a scrum master with the students in agile software development..
- Wrote a research paper which was accepted by the IC4IR Conference and published in Springer.

United International University - *Dhaka, Bangladesh*   September 2019 - December 2021
Teaching Assistant
- Assisted my faculty, organized course material, and delivered lectures in programming laboratory classes..
- Developed web application to visualize customer orders using PHP, SQL & MySQL database.
- Designed web application to easily view and manage customer's personal and order information, realtime notification and chatting using AJAX, PHP, Bootstrap, and MySQL facilitating faster customer support.

PROJECTS & COURSE WORK

Detect Bangla Social Media Hate Speech (accepted my Research in IC4IR Conference, & published in Springer Link)   March 2022
[URL:https://link.springer.com/chapter/10.1007/978-981-19-2445-3_50]
- A publicly available dataset of 30000 samples has been used.
- A proposed hybrid model achieved close to 90% accuracy with significant sensitivity and specificity in Bangla hate speech detection.
- Next step to build Java GUI (Graphics User Experience) interface with socket programming.

Weather Reporter - *React.JS, Node.js, REST API, Google Firebase*   [URL: https://weatherapp-react-d3db0.web.app/]
- Built a weather application using React, JavaScript, API from Open Weather Map.
- Deployed in my Google Firebase account.

Heart Ok? - *Machine Learning Models, Python, Colaboratory - Google*   September 2019
- Implemented heart disease prediction using machine learning and compared them with different models KNN, Decision Tree, Random Forest, SVM, Logistic Regression etc

Walk Smartly - *Arduino IDE, GPS, Sensors, C++*   February 2018
- Built an Arduino based smart stick that assists blind people by providing crucial features such as obstacle detection, and finding the blind person using a GPS module.
- Implemented a button in the stick to send the location of the person to the given mobile number.