

Shaykh Siddique

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EDUCATION

Prairie View A&M University | Prairie View, TX

M.S. in Computer Science | GPA: 4.0/4.0

January 2022 - May 2024

Relevant Courses: Software Engineering, Computer Organization, Operating Systems, Programming Languages, Algorithms and Analysis, Advanced Database.

East West University | Dhaka, Bangladesh

B.S. in Computer Science and Engineering | GPA: 3.09/4.0

January 2016 - December 2020

Relevant Courses: Structural and Object-Oriented Programming Languages, Data Structures and Algorithms, Database Systems, Computer Architecture, Software Engineering, Machine Learning, Computer Graphics

TECHNICAL SKILLS

Programming Languages: Python (Advanced), Java (Advanced), JavaScript (Advanced), C# (Intermediate), C++ (Intermediate)

Frameworks: Django, Spring, NodeJS, .NET, AngularJS, Vue.js, REST APIs, SQL, MySQL, NoSQL

Tools: AWS, CloudFront, API Gateway, Okta (IAM), CD/CI Pipelines, Git, Docker

Others: Unix Server, Linux, Shell Scripting, TCP/IP Protocols, Model View Controller (MVC) design patterns, Maven, JIRA

PROJECTS

IAM Microservices | Node.js Project

August 2023

- Collaborated with a team of HPE-IAM and developed a fully functional web application with dynamic **JavaScript-based** microservices of RESTful server-side APIs, AWS, CloudFront, and API Gateway used for deployment, and an Okta framework layer for access management and database. Also designed unit testing and validation cases.

Online Judge | Java Project

July 2022

- Developed a dynamic web-based Online Judge system using **Java Servlets**, providing an interactive platform for problem setters to define challenges and participants to submit, compile, and evaluate source codes against test cases like leetcode. Online Judge also allows users to host live programming contests with rank lists.
- The project leveraged Bootstrap4, Freemarker template engine, MySQL Connector, JBCrypt (encryption and decryption), and Junit (testing).

NBA Tactical Patterns | Python Project

January 2024

- Developed a **Python application**, utilizing machine learning to optimize NBA team composition by analyzing player statistics, ensuring maximal court coverage for enhanced winning rates.

PROFESSIONAL EXPERIENCE

Graduate Research Assistant | Prairie View A&M University | Prairie View, TX

Since Feb 2022

- Provided multifaceted support in research, teaching, and lab activities, actively contributing to Python-based projects.
- Contributing to a project funded by the Texas Department of Transportation at the National Center for Infrastructure Transformation (NCIT).

DevOps Engineer Intern | Hewlett Packard Enterprise | Spring, TX

Summer 2023

- IAM (Identity and access management) teams' collaboration, micro-services development, and integration.

ACHIEVEMENTS AND AWARDS

- Recognition of academic achievement for Outstanding Student Award 2023 from Prairie View A&M University.
- Awarded for HBCU Terminal 2022, an AI programming competition (Champion).
- The 2017 ACM-ICPC Bangladesh, CUET NCPC Programming Contest, Contestant, awarded honorable mention.
- Programming Contest, "CSE FEST 2016" with 20 Years Celebration of East West University and Computer Science and Engineering Department (Second place).
- Third International Conference on Signal Processing and Information Communications, January 17-19, 2020, Kuta, Kabupaten Badung, Bali 80361, Indonesia, awarded for oral presentation.