Meer Husamuddin

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EDUCATION

Prince Sultan University   **GPA:** 3.90
Bachelor of Science, Computer Science   **December, 2024**
- Consistently ranked amongst the best students in the university, and included in the dean's list for three consecutive semesters.
- Winner of the annual science quiz competition for two consecutive years.
- Ranked 24th nationally in the IEEExtreme 16.0 programming competition.

International Indian Public School   **June, 2021**
High School Diploma   *Riyadh, SA*
- Led the student cabinet as the head boy for the academic years 2019-21. Organized various student led events. and guided students through the transition to online education.
- Captained the varsity basketball team, which achieved a third-place finish in the state championship.

TECHNICAL EXPERIENCE AND PROJECTS

Green Computing Research Project Prince Sultan University   **Oct. 2022 - Nov. 2022**
Researcher and Backend Developer   *Riyadh, Saudi Arabia*
- Led a team of student researchers in implementing **Binary Search Tree** and **Hash Table** data structures in **Java** to analyze and compare their run-time and energy efficiency for storing and searching from upto 20 books.
- Produced a comprehensive report with graphs and tables detailing results and advocating for environmentally-friendly computing practices.
- Contributed to the conclusion that optimized algorithms, like Binary Search Tree and Hash Table, are essential for reducing energy consumption in computer systems especially in huge data servers.

Summer Internship Emerging Business Technologies (EBTCO)   **June 2022 – July 2022**
Full Stack Developer   *Riyadh, Saudi Arabia*
- Learned fundamental Object-Oriented Programming (**OOP**)concepts and developed a strong understanding of data structures and algorithms.
- Designed and implemented a phonebook utilizing Hash Table data structure in **C++** and **Java** using linear probing and separate chaining techniques.
- Utilized **Flutter** and **Dart** to create a notes application that used **Firebase** for user authentication, showcasing proficiency in mobile application development.
- Used **Git** for version control and **GitHub** for team collaboration, demonstrating proficiency in software development practices and effective teamwork.

Bank Management System (Member Details) International Indian Public School.   **Nov. 2020 – Dec.2020**
Backend Developer   *Riyadh, Saudi Arabia*
- Developed a Bank Management System using **Python** & **MySQL** which stores member details, as part of a school team project.
- Designed an account creation system that enables employees to generate new accounts using passport numbers, and perform search, delete, update, and listing of all existing members.
- Generated a project report using **Microsoft Word,** summarizing the software's features, design, and functionality. Presented the project report to the instructor, highlighting the team's contributions and key project outcomes.

SKILLS & INTERESTS

- **Programming Languages:** C/ C++; Java; JavaScript; Python; Dart & Flutter
- **Tools:** MySQL; Firebase – Authentication, Cloud Firestore; Git & GitHub; HTML; CSS
- **Interests:** Astronomy; Astrophotography; Artificial Intelligence; AR/VR; Photography; Sports; Traveling

INVOLVEMENTS

- Prince Sultan University's Model United Nations
- Google Developers Student Club – Development member
- PSU IEEE member