Youssef Badreldin

Enthusiastic student with a proven track record of applying academic knowledge to real-world projects with innovative problem-solving, Demonstrated Leadership skills for 3 years complemented by continuous desire for learning and professional growth.

EDUCATION

Alamein International University (AIU), New Alamein, Egypt
Bachelor of Computer Science – Software Engineering
Oct 2020 – June 2025 (Expected)

Akhnaton Egyptian Language School (AELS), New Cairo, Egypt
Preschool, Elementary School, Primary School & Secondary School
Sept 2005 - Aug 2020

WORK EXPERIENCE

Software Engineering Intern
Virgina Tech (VT), Hybrid, New Alamein City
Jan 2023 - May 2023

- Designed a smart transportation web application, leading to a 90% improvement in user experience and satisfaction.
- Managed frontend development of system using EJS, HTML, and CSS.
- Contributed to backend development of system using NodeJS, ExpressJS, and MongoDB.

Software Developer Intern
Information Technology Institute (ITI), Remote
Feb 2022 - May 2022

- Constructed a chatting room application using advanced Java technologies.
- Developed a dynamic GUI with JavaFX to boost user interaction.
- Utilized multithreading for concurrent user interactions and efficient project execution.
- Incorporated socket programming for networking, enabling real-time communication between users.
- Integrated JDBC for seamless database connectivity, facilitating efficient data management and retrieval.

SELECTED PROJECTS

Smart Transit System
Jan 2023 - May 2023

A Smart Transportation System offering bus tracking, student registration, payment integration, route information, and feedback.

- Construed using Node.JS, express.JS, MongoDB, EJS.

Multithreaded secure chat application
Feb 2022 - May 2022

A Real-Time Chat Room Application offering user authentication, user profiles, message broadcasting, private messaging, file sharing, chat history.

- Developed using JavaFX, JDBC, Multithreading, and Socket Programming.

CONTACT

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- **LinkedIn:** Linkedin.com/in/youssefbadreldin
- **GitHub:** Github.com/YoussefBadreldin

SKILLS

- **Technical Skills**
  • *Programming Languages: excellent command of* Java, Javascript, Python, Html, EJS, C++, SQL.
  • *Technologies: excellent command of* NodeJS, MongoDB, Mongoose, Pygame.
  • *Modeling: excellent command of* UML.

- *Language Skills*
  • *Arabic:* Native - Mother Tongue
  • *English:* Upper Intermediate - B2 (Certificate)

SELECTED COURSES
Coursera

- **Design Patterns** - U of Alberta (15 HRS)
  May 2023
- **Software Engineering: Design & Project Management** - Hong Kong University of Science and Technology (19 HRS)
  May 2023
- **Intro to Agile Dev. & Scrum** - IBM (9 HRS)
  May 2022
- **Algorithms, Part I** - Princeton Uni (36 HRS)
  Feb 2022
- **Data Structures** - UC San Diego (24 HRS)
  Dec 2021

EXTRACURICULLAR ACTIVITES

- **Vice President of AIU Student Union**
  Dec 2022 – Present
  • Lead Student Union's committees comprised of a total of 42 members.
  • Represent student body in meetings with administration.

- **President of AIU International Collegiate Programming Contest (ICPC) Community**
  Oct 2021 – Oct 2023
  • Managed Club's committees comprised of a total of 33 members.
  • Organized weekly sessions to enhance students' problem-solving skills.