Mohamed Bakr Mohamed

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SUMMARY

Full Stack Developer & CS Student with a focus on building high-performance web applications using the MERN stack (Node.js, React). Passionate about code efficiency and minimalist design, as demonstrated by developing and publishing the TaskNinja CLI tool to simplify complex workflows. Proven ability to bridge the gap between clean back-end logic and intuitive, responsive front-end interfaces. Committed to delivering scalable, detail-oriented solutions for freelance projects with a rapid learning curve for new technologies.

EDUCATION

South Valley University
Bachelor of Science in Computer Science
Expected 2028
Qena, Egypt

- Focusing on Data Structures, Algorithms, and Software Engineering principles.
- Cumulative GPA: 3.68 / 4.0

TECHNICAL SKILLS

Languages: JavaScript (ES6+), HTML5, CSS3, C/C++, Python, PHP, SQL, Dart
Frameworks & Tools: React.js, Node.js, Qt, SQL Server, Postman, Figma, Git/GitHub, VS Code
Soft Skills: Problem Solving, CLI Optimization, UI/UX Design Awareness, Teamwork, Communication
Currently Learning: Artificial Intelligence (AI)
Languages: Arabic (Native), English (B2 - Upper Intermediate)

PROJECTS

TaskNinja (npm Package) | *JavaScript, Node.js, CLI* | GitHub Repo — 2026
- Engineered a robust CLI task management tool published on npm, enabling seamless workflow management from the terminal.
- Enhanced user productivity by optimizing command-line operations over GUI alternatives.
- Integrated advanced file handling and persistent data storage for reliable task management.
- Reached over 1000 downloads on npm.

Task Harmony | *React, Supabase, Web Stack* | GitHub Repo — 2025
- Designed and built a performant web app for task organization, emphasizing aesthetic UI and user-centric design.
- Leveraged React.js for efficient state management and responsive, interactive components.
- Incorporated dark-mode features to minimize eye strain and improve long-session usability.

Book Library GUI | *C++, Qt Framework* | GitHub Repo — 2024
- Developed a cross-platform desktop application for efficient digital library management.
- Implemented full CRUD operations and a user-friendly searchable database interface.

Responsive Delivery Website | *HTML5, CSS3, JavaScript* | GitHub Repo — 2024
- Crafted a mobile-first front-end delivery platform with smooth animations and interactive features.
- Achieved full responsiveness across devices using CSS Grid, Flexbox, and media queries.
- Achieved 92% compatibility across tested devices.

CERTIFICATIONS

Web Design Certificate
National Telecommunication Institute (NTI)
End of 2025
Egypt

- Completed comprehensive training in web design principles, tools, and best practices.

EXTRACURRICULAR ACTIVITIES

University Problem-Solving Event Participant 2024 - Present
South Valley University Qena, Egypt

– Participated in university-organized event focused on enhancing problem-solving skills through coding challenges.

Student Organizer for Academic Resources 2024 - Present
South Valley University Qena, Egypt

– Collaborated in student-led initiative to organize and provide study materials, references, and resources for fellow students.
– Assisted over 400 students with academic resources.