Sarah Abu Irmeileh

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About Me

A passionate backend developer pursuing a degree in computer science. Specialized in build, develop and deploy robust and scalable back-end systems. With a commitment to excellence, I'm known for my problem-solving skills and adeptness at meeting deadlines. A fast learner, I stay updated on industry trends through self-study, bringing technical expertise and enthusiasm to contribute to impactful projects.

Education

Palestine Polytechnic University B.A. in Computer Science Sep 2021- June 2025 (Expected).
The distinction, scholarship Honors list for 5 out of 5 semesters (top 1 in my class, **GPA**: 96.8%) and the top student in the entire university for one semester.

Professional Experiences

Back-end development with Express.js & AWS   Mar. 2023 - Nov. 2023
Gaza Sky Geeks   Palestine
- Mastered JavaScript, TypeScript, Node.js, and Express.js, integrating with MySQL. Developed many powerful projects utilizing Git and GitHub and implementing CI/CD pipelines.
- Acquired comprehensive knowledge of AWS Computing Services such as EC2, ELB, RDS, IAM, CloudWatch, Lambda Function, and S3.
- Successfully implemented RESTful APIs incorporating advanced authentication and authorization.

Leadership and Extracurriculars

Google Developers Students Club (GDSC)   Jul. 2022 - Present
- Organized and managed several technical courses in various topics such as problem solving techniques,   JavaScript and version control using Git & GitHub.

Projects

Serve & Shine | [GITHUB](#)   Oct. 2023
- Designed and developed an Express.js application connecting volunteers and organizations.
- Implemented user/organization profiles, opportunity matching algorithm, and a feedback system.
- **AWS services**: S3, RDS, SES, CloudWatch, Lambda Function, Load Balancer with ASG.
- **Technologies**: Express.js, TypeScript, Unit Testing, CI/CD with GitHub Actions & Docker.

AI & Computer Vision | [GITHUB](#)   Sep. 2023
- Designed and developed an Express.js application for Amazon AI and computer vision.
- **AWS services:** S3, RDS and Rekognition for image analysis, object/scene/action recognition, celebrity identification and text extraction.
- **Technologies:** Express.js, TypeScript.

Skills

- **Languages:** English (Fluent), Arabic (Native).
- **Programming languages:** Skilled in TypeScript, JavaScript and Python. Familiar with C++, Java.
- **Frameworks**: Express.js and familiar with Django.
- **DevOps**: CI/CD, Linux Terminal, GitHub actions and Docker.
- **Other:** AWS (Amazon Web Services), Git, GitHub, Unit testing, Jira and technical article writing .

Honors, Awards, and Competitions

- **Computer Vision Hackathon** (2023) : 2nd place. Experience gained from integration AWS Rekognition and Express.js to deliver advanced image analysis solutions showing the power of AI.
- **Competitive programming Code** (2022): 1st place among all my university students.