

Anas Ibrahim

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EDUCATION

BSc in Computer Science, King Abdulaziz University

Expected Graduation: 2027

EXPERIENCE

HPC Intern, KAU HPC Center

June 2025 – Aug 2025

- Configured mini HPC cluster with PBS Pro Scheduler, NFS shared storage, and environment modules; automated deployment tasks and developed scripts for NFS installation, PBS MOM configuration, password less SSH, and host management.
- Deployed MPI applications and conducted comprehensive performance benchmarking to evaluate system efficiency.

Jr. Web Developer, Consulate General of Afghanistan – Jeddah

Jan 2025 – Mar 2025

- Managed and updated the Consulate's official website serving **100K+ users**, ensuring cross-device accessibility and performance.
- Worked with consulate staff and the IT center remotely to deploy updates, resolve layout issues, and optimize overall site speed.
- Designed and deployed modern UI enhancements to streamline navigation and elevate the site's visual appeal.

Instructor – Linux Community, King Abdulaziz University

Jan 2024 – Feb 2025

- Co-founded the Linux Awareness Community, teaching **200+ students** Linux fundamentals, shell scripting, system administration, and cybersecurity practices.

PROJECTS

PinkMart – Full-Stack E-Commerce Grocery Store

- Built a full-stack e-commerce platform using Next.js, TypeScript, Tailwind CSS, PostgreSQL (Neon), and Drizzle ORM.
- Integrated Stripe payments, Google OAuth, and secure email authentication for seamless user onboarding.
- Added AI-powered image search using MobileNetV2 CNN, enabling visual product discovery for 100+ demo users.
- Developed RESTful APIs, an admin dashboard with analytics, and features like persistent carts, delivery scheduling, and multi-address management.

Gemini Clone

- Developed a fully responsive web-based AI chat application inspired by Google Gemini using React, TypeScript, and Tailwind CSS.
- Implemented a dynamic sidebar navigation, real-time chat interface, and smooth UI interactions.

SLURM Cluster Setup Toolkit

- Developed automated bash scripts to configure head nodes and compute nodes with NFS, Munge authentication, and SLURM services.
- Streamlined cluster deployment process, reducing setup time and minimizing configuration errors through automation.

SKILLS

Languages: JavaScript, TypeScript, Python, C/C++, Java, SQL, Bash/Shell Scripting

Web Development: React, Next.js, Tailwind CSS, HTML/CSS, Node.js, RESTful APIs, Responsive Design

Tools & Technologies: Git/GitHub, Stripe, Cloudinary, OAuth, Nodemailer, Linux, HPC Systems, PBS Pro, NFS, MPI, Docker, Environment Modules, MobileNetV2 CNN

CERTIFICATIONS & ACTIVITIES

- Certified Bug Bounty Hunter** – HackTheBox Academy
- Junior Penetration Tester** – TryHackMe
- Networking Basics** – Cisco