

## Abdullah Al Norman

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### PROFILE

Aspiring Software Engineer with a strong foundation in Python, Django, and Full-Stack Development. Experienced in building scalable applications and deploying cloud-native solutions using Docker, AWS, and CI/CD pipelines. Eager to leverage modern engineering practices to contribute to dynamic software teams.

### EDUCATION

#### B.Sc. in Computer Science and Engineering

University of Asia Pacific | Jan 2021-Dec 2025

### SKILLS

- **Programming Languages:** Python, Java, JavaScript, C++, SQL.
- **Backend Frameworks:** Django, Django REST Framework (DRF).
- **Cloud & DevOps:** Docker, AWS (EC2), Nginx, CI/CD (GitHub Actions), Linux System Administration.
- **Databases:** PostgreSQL, SQLite, MySQL.
- **Tools & Libraries:** Git, GitHub, Postman, Ollama (Local LLM Integration), VS Code.
- **Frontend Technologies:** HTML5, CSS3, Bootstrap.

### EXPERIENCE

#### Frontend Developer Intern | [Eutropia IT]

Dhaka Uddan Housing, Dhaka | [1Aug 2025] – [30Dec 2025]

- Developed and maintained responsive user interfaces using HTML5, CSS3, and JavaScript, ensuring cross-browser compatibility.
- Collaborated with backend teams to integrate APIs and optimized website performance, improving load times by 20%.

### PROJECTS

#### AI-Powered Upcycling Platform (RemakeX) | [Github Repository] 2025

- Engineered a full-stack product management platform using Django, featuring a local AI chatbot powered by Ollama for privacy-preserving, offline interactions.
- Designed and implemented a sustainable upcycling module to track product lifecycle extensions, promoting eco-friendly practices.
- Developed a comprehensive system architecture with SQLite for rapid prototyping, demonstrating clear separation of concerns between core logic, UI, and AI services.
- **Deployment:** Successfully deployed the beta version on PythonAnywhere cloud platform to demonstrate public access.
- **Technologies:** Python, Django, Ollama, SQLite, HTML, CSS, JavaScript.

#### Cloud-Native Inventory Management API | [GitHub Repository] 2025

- Built and deployed a production-ready 3-tier REST API on AWS EC2 using a fully containerized environment with Docker and Docker Compose.
- Automated the entire development lifecycle by creating a CI/CD pipeline with GitHub Actions for seamless builds and deployments.
- Configured Nginx as a reverse proxy for secure traffic management and optimized a PostgreSQL database for persistent data storage.
- **Deployment:** Previously configured and deployed the system using Docker and DuckDNS for remote accessibility.
- **Technologies:** Python, Django REST Framework, PostgreSQL, Docker, Nginx, AWS EC2, GitHub Actions.

### ACHIEVEMENTS

- **Awards & Contests:** Received VC Award for academic excellence; Selected for ICPC 2022 Preliminary and won multiple intra-university programming contests.
- **Leadership & Volunteering:** Served as President of UAP Indoor Games Club and Volunteer at the 45th ICPC World Finals (Nov '22)