



# Usama Niaz

## Software Developer

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## Professional Profile

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"A Software Developer and Tech Enthusiastic with technical proficiency in providing **novel ideas, product development**, and achieving **flexible solutions** to difficult and diverse problems."

With my passion and commitment to advancement in technology, I have gained practical exposure from a software engineering internship. I am proficient in, application development using **Flutter, Bloc/Cubit, Hive, and Beamer routing**. Eager to delve deeper into Web and Mobile application development, I bring a "**nothing is impossible**" spirit, a committed work ethic, and a passion for driving innovation.

## Skills

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- Dart
- Hive database
- Power Apps
- Flutter
- Beamer routing
- Azure AI
- Bloc and Cubit
- API integration
- Python

## Experience

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**04 Dec 2023 – Present**

**Software Developer**

AlphaBold, Pakistan

- Implemented app navigation in the BOLDHR web application with the **Beamer** package. Utilized **Beam Guards, Nested Beamer**, and **deep links** for improved UX.
- Implemented **Bloc/Cubit** for state management, **Hive** for local data storage, and **Pagination** for the BOLDAgimble mobile application.
- Created **Power Automate solution** to integrate Events Air data into the Dataverse table linked to **CRM**. Overcame complex logic challenges, ensuring fault tolerance and data integrity.
- Created custom **Azure Document Intelligence** models to extract data from Invoices, POs, and SOs. Designed automation solution integrating **Azure services, Python**, and **Power Automate** for enhanced workflow efficiency.

**07 March 2022 – 15 Nov 2023**

**Assistant Manager**

Public R&D Organization, Pakistan

- **Reduced 20%** of the modeling time by writing Python Scripts that autonomously model the joints and bolts in the Finite Element Model.
- Resolving a challenging issue through the **automation** of aerodynamic mesh generation, resulting in a significant **90% reduction** in task duration.
- Enhanced the **efficiency by up to 60%** by creating a Python program that reads the Flutter & Gust Analysis data and generates a LaTeX report.

## Projects

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### `</>` **BOLDAgimble**

Implemented Bloc/Cubit state management, Hive storage, and pagination for the BOLDAgimble mobile application for a better user experience.

### `</>` **BOLDHR**

Enhanced user experience in a Flutter Web Application by implementing efficient app navigation using the Beamer package. Employed Beam Guards, Nested Beamer, and deep links to optimize UX design.

## </> **Movie App**

[View](#)

Created a dynamic Flutter Movie App with Cubit and Bloc, integrating TMDb API for real-time data, Hive for local storage, and pagination for seamless user experience.

## </> **CRM integration: Power Automate Solution**

Developed a Power Automate solution to seamlessly integrate Events Air GraphQL API data into the Dataverse table linked to CRM. Overcame challenges of complex logic, dynamic field mapping, and fault tolerance, ensuring reliable data synchronization.

## </> **BoldParser: Data Extraction & Integration**

Developed automation solution integrating custom ML models, Azure services, Python, & Power Automate for seamless data extraction and integration into NetSuite.

## Education

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**01 Sep 2016 – 03 Sep 2020**

CGPA 3.45/4.00

**BSc Aerospace Engineering**

Institute of Space Technology, Pakistan

## Courses and Certificates

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- **Machine Learning Specialization**, *Online Certificate Coursera* [View](#)
- **Microsoft Learn AI Skills Challenge**
- **Supervised Machine Learning: Regression and Classification**, *Online Certificate Coursera* [View](#)
- **Mathematics for Machine Learning: Multivariate Calculus**, *Online Certificate Coursera* [View](#)
- **Mathematics for Machine Learning: Linear Algebra**, *Online Certificate Coursera* [View](#)
- **Scientific Computing with Python**, *Online Certificate freeCodeCamp* [View](#)
- **AI For Everyone**, *Online Certificate Coursera* [View](#)