# Aisha Khan

## AgriTech Specialist

*"Sustainable agriculture thrives at the intersection of technology, data, and human insight."*

## Education

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| 2016–2020 | **B.Sc. Agricultural Technology**, *Colorado State University*, Fort Collins, CO.<br>**Focus Areas:** Crop science, precision agriculture, soil health, agro-data systems. |
| 2014–2016 | **Associate Degree in Environmental Science**, *Front Range Community College*, Westminster, CO.<br>Completed with honors; specialization in water/soil ecology. |

## Work Experience

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| 2022 – Present | **AgriTech Field Specialist**, *AgroNova Technologies*, Denver, CO.<br>○ Deploy IoT-based soil monitoring devices and calibrate field sensors for data accuracy.<br>○ Train growers on digital farm-management platforms for yield optimization.<br>○ Analyze field data trends to guide fertilizer application and irrigation scheduling.<br>○ Collaborate with R&D teams to test early prototypes of hardware and software tools. |
| 2020 – 2022 | **Precision Agriculture Technician**, *GreenHarvest Farms*, Greeley, CO.<br>○ Operated GPS-guided machinery and UAVs for crop imaging and field mapping.<br>○ Maintained variable-rate application systems for fertilizers and micronutrients.<br>○ Used NDVI imaging to detect early-stage crop stress and soil variability. |
| 2018 – 2019 | **Research Intern**, *USDA Agricultural Research Service*, Fort Collins, CO.<br>○ Conducted soil-microbiome sampling and analyzed nutrient retention patterns.<br>○ Supported automation setups for greenhouse growth trials. |

## Projects

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| 2022 | **Drone Mapping for Pest Detection**, *GreenHarvest Farms*.<br>Captured and processed high-resolution aerial images to detect pest-affected zones and reduce chemical input by targeting treatment areas only. |

## Skills

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| Technical | IoT Sensors, UAV Mapping, Soil Monitoring Systems, GIS, NDVI Imaging, Variable-Rate Tech |

| Software | QGIS, ArcGIS, FarmLogs, AgLeader SMS, John Deere Ops Center, Python (basic) |
| Soft Skills | Field Training, Communication, Problem-Solving, Data Interpretation |

## Certifications

| 2023 | Precision Agriculture Specialist (PAS) |
| 2022 | FAA Part 107 Remote Pilot License |
| 2021 | Soil Health Management — USDA Extension |

## Languages

| English | **Fluent** | |
| Spanish | **Intermediate** | *Field communication proficiency* |