



# NIKUNJ CHAUHAN

Design Engineer at Brio Hydroponics

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## OBJECTIVE

“An innovative Agricultural engineer with specialization in Irrigation and Drainage engineering having research-oriented nature searching for a suitable role at an established organization to utilize my knowledge and skills while contributing to the growth of the organization.”

## EXPERIENCE

1 July 2021- Present                      **Design Engineer**                      *Brio Agri Producer Ltd(Brio Hydroponics)*

- Design of Fan- Pad Poly House, NVPH and Net House with plant capacity.
- Design of Hydroponic water circulation system
- Design of drip irrigation / Fogger system
- Design and layout of the drainage channel, land levelling, Farm pond
- Bill of Material and Quotation
- Site feasibility
- Hydrological study
- Product design
- Sales Support

## EDUCATION

2018- 2021	M.Tech - Irrigation and Drainage Engineering College of Agricultural Engineering and Technology Anand Agricultural University Minor: Soil Water Conservation Engineering	7.3 GPA
2014-2018	B. Tech – Agricultural Engineering College of Agricultural Engineering and Technology Anand Agricultural University	7.4 GPA
2014	Higher Secondary Certificate- Mathematics  Jawahar Navodaya Vidyalaya, Panchmahal	74 %
2012	Secondary School Certificate Jawahar Navodaya Vidyalaya, Panchmahal	85 %

## HIGH LIGHTS

- GIS analyst
- Finalist in Gujarat Industrial Hackathons & Winner in Regional Level Gujarat Industrial Hackathons 2019 -SSIP
- “Development and evaluation of an artificial intelligence-based self-executing system for drip irrigation” (M. Tech Research)

## FIELDS OF KNOWLEDGE

- Irrigation Hydraulics
- Hydrology
- Soil and Water Conservation
- Watershed Management & Ground Water
- Remote Sensing and GIS

## RESEARCH / PUBLICATION

1. "Development and evaluation of an artificial intelligence-based self-executing system for drip irrigation" (M. Tech Research)
2. "An integrated GIS-based approach for soil erosion mapping of Panam basin, middle Gujarat, India" Environment and Unsustainable Human Life.
3. "Initial Spreading of Covid-19 in Indian territory" The Pharma Innovation Journal. 2020; 9(6): 239-242. DOI: 10.22271/tpi.2020.v9.i6d.4774. (in GIS).
4. "Wireless automatic irrigation system for sandy loam soil", The Pharma Innovation Journal. 2020; 9(5): 181-185.
5. "Review Paper of Calibration Method for Soil Moisture Sensors" National Conference on Engineering Trends in Civil Engineering, 2020,1-7.

## SEMINAR / WORKSHOP / SYMPOSIUM / TRAINING

- Field Training on "Drip Irrigation" at Netafim Irrigation, Vadodara. ( 1 to-30 June 2016 )
- On-field training on "Soil and Water Conservation Practices" at the Indian Institute of Soil & Water Conservation Research Center, Vasad. ( 1 to 30 June 2017 )
- Four-Month Field Training on "Drip Irrigation" at Netafim Irrigation, Vadodara. ( 1 Feb to-31May 2017 )
- "Oral Paper presentation on Calibration Method for Soil Moisture Sensors" in National Conference on Engineering Trends in Civil Engineering on 26-June 2020.
- Participated in training of "Various Aspects of Renewable Energy Technology" at Sardar Patel Renewable Energy Research Institute.

## TECHNICAL SKILLS

<b>Software Skills</b>	Solid works, ArcGIS, QGIS, Origin, AutoCAD, Sketch-up 3D.
<b>Engineering Skills:</b>	Design of Micro Irrigation system, Design of Pond, Pipe flow GIS Mapping, Runoff Estimation, Well Hydraulics and On-Field Survey.
<b>Foundation's skills:</b>	Microsoft Office Tools
<b>Coding Languages:</b>	HTML, C language, CCS.
<b>Web tools:</b>	WordPress, Google Analytics, social media, Web Hosting

## PERSONAL DETAILS

<b>Address:</b>	A1, Rajmandir Apartment, Bhai-kaka Nagar, Thaltej, Ahmedabad, 380059.		
<b>Language:</b>	Gujarati, Hindi & English	<b>Blood group:</b>	B+
<b>Birth day:</b>	22 May 1997		
<b>Father:</b>	Kishorsinh Chauhan	<b>Mother:</b>	Shantaben

Declaration: I, Nikunj Chauhan, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.



06 January 2023

Nikunj Chauhan