



# Kumar Pratyush

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Sivanta Apartment, Bakeri City, Vejalpur, 380051, Ahmedabad, India

## WORK EXPERIENCE

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DEC 2018 - CURRENT - Ahmedabad, India

**ASSOCIATE CONSULTANT GIS – AMNEX INFOTECHNOLOGIES PVT. LTD.**

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### Product Development Role (Web Application)

- Functional requirement specification (FRS) document preparation
- Product prototype generation
- Providing functional support to development team
- Functional Testing
- Developed Products (Digital Agriculture Products)
  - **Agrogate:** A web GIS-based application aimed to provide agriculture advisory services generated from satellite data, crop models, and agro-meteorological data for various stakeholders involved in agriculture related decision-making process.
  - **Agrogate Finance:** Web GIS enabled platform for crop insurance and agriculture finance institutions.
  - **FarmLive:** Precision Agriculture application for managing the farm remotely.
  - **CropTrack:** Mobile application for farmer's which provide satellite and weather based near real time agricultural advisory to the farmers.

### Business Analyst Role

- Business case preparation
- POC implementation

### Project Delivery Role

- GIS layers and database preparation for smart cities
- QA and QC of GIS database
- Crop type identification using satellite data
- Crop health condition assessment
- Crop yield estimation
- Risk assessment

### Pre Sales Activities Role

- Technical solution document preparation for bid response
- Client handling

JAN 2016 - JUN 2017 - Delhi, India

**JUNIOR EXECUTIVE – BKC WEATHERSYS PVT. LTD.**

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### Product Development (Mobile Application)

- Functional requirement specification(FRS) document preparation
- Providing functional support to the development team
- Database creation
- Functional R&D and Testing

### R&D

- Crop growth and yield analysis using weather and crop models
- Crop identification using satellite data
- Crop weather calendar preparation

Developed Product: Fasal Salah: Farmer's Agro Advisory mobile application

[https://play.google.com/store/apps/details?id=com.weathersys.agro&hl=en\\_IN&gl=US](https://play.google.com/store/apps/details?id=com.weathersys.agro&hl=en_IN&gl=US)

## EDUCATION AND TRAINING

JUN 2017 - MAY 2019 - Pune, Maharashtra, Pune, India

**MASTER OF SCIENCE IN GEOINFORMATICS** – Symbiosis International University

JUN 2012 - MAY 2016 - Delhi-NCR, New Delhi, India

**BACHELORS OF SCIENCE IN AGRICULTURE** – Amity University

## LANGUAGE SKILLS

Mother tongue(s): **HINDI**

Other language(s):

		UNDERSTANDING		SPEAKING		WRITING
		Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1		C2	C1	C1	C1
SPANISH	B1		B1	A2	A2	A2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## DIGITAL SKILLS

### My Digital Skills

#### Microsoft Office

Microsoft Office Word Power Point Excel

#### Data Analysis Tool

PowerBi | Tableau Software

#### GIS Tools

Geographical Informations System (ArcGIS) | ArcGIS Desktop, ArcGIS Pro | QGIS - Quantum GIS

#### Programming Languages

Python | R program

## ORGANISATIONAL SKILLS

### Scrum Fundamentals Certified

<https://c46e136a583f7e334124-ac22991740ab4ff17e21daf2ed577041.ssl.cf1.rackcdn.com/Certificate/ScrumFundamentalsCertified-KumarPratyush-859758.pdf>

## ● PUBLICATIONS

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### **Assessing the Potentials of Multi-temporal Sentinel-1 SAR Data for Paddy Yield Forecasting Using Artificial Neural Network**

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<https://doi.org/10.1007/s12524-022-01499-7> - 2022

### **Innovative Approach for Weather Based Farm Advisory Services**

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2018

International Conference Transforming Agricultural Extension Systems: Towards Achieving the Relevant Sustainable Development Goals (SDGS) for Global Impact. Kandy, Sri Lanka.

(Compendium Page Number: 342-344)

