



# Bhargav Kumar Kashyap

Result-oriented professional, targeting challenging assignments in the domain of  
**GIS DEVELOPMENT/GIS ADMINISTRATION /Systems/ Networking**  
**Operations/WIFI** preferably in IT & Telecom industry

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## Profile Summary

- ❖ **B.E. in Computer Science Engineering offering nearly 6.4 years of experience in Computer Networks, Telecom and GIS**
- ❖ **Skilled in working with IOT, Telecom, Databases, GIS, Computer Networks.**
- ❖ Engaged in end-to-end development of products / projects from inception, requirement specification, planning, designing, implementation, configuration management, documentation and closure
- ❖ Expertise in managing research, preparation and presentation of proposals for large / complex projects such as Space Based Information Kiosk (SBIK) (Web GIS), North Eastern Districts Resource Plan (NEDRP) (Web GIS) and so on
- ❖ Proficient in interpreting imagery into meaningful image-objects, and assessing their characteristics through spatial, spectral and temporal scale
- ❖ Skills in understanding imagery to shape files, coverage's, global positioning system points, or reference images & performing image enhancement
- ❖ Developed competency in establishing performance-driven culture that ensures personal ownership, lead, develop, coach as well as motivate teams to achieve goals profitably



## Education

- ❖ B.E. in Computer Science Engineering from Annamalai University, Chidambaram with 72% (OGPA of 7.77) in 2012
- ❖ 12<sup>th</sup> from B Barooah College, Guwahati in 2008
- ❖ 10<sup>th</sup> from Sankardev Vidya Niketan, Guwahati in 2005



## Career Timeline



## Key Skills

Networking Operations

Internet of things

GIS Development

GIS Implementation

Research & Development

Data Management

Quality Assurance

Installation

Cost Estimation

Resource Management



## Soft Skills

Change Agent	Collaborator
Motivational Leader	Communicator
Thinker	Planner



## Work Experience

**Since Mar' 16 with Reliance Jio Infocomm Limited, Guwahati as Assistant Manager (GIS Engineer)**

### Key Result Areas:

- ❖ Analyzing the requirements, architecting and designing & developing solutions, testing and deploying

- ❖ Organizing review meetings to monitor project progress & budgets, ensuring timely completion and delivery of the project; designing, developing, testing, troubleshooting and debugging the application
- ❖ Providing post-implementation support, enhancement and maintenance support
- ❖ Designing drawings, managing quality control, making sketch, converting survey data and mapping parcel
- ❖ Conducting physical land survey creation of spatial database (maps), graphs & attribute data and creating digital files from maps
- ❖ Extracting meaningful information from images; mainly from digital images by means of image processing techniques
- ❖ Engaged in network planning & mapping, telecom inventory mapping as well as managing revenue forecasting
- ❖ Analyzing the large amounts of data for tasks that require complex computation and for the extraction of the quantitative information
- ❖ Studying the ground surveys and reports and updating digital databases of Geographic Information Systems (GIS)

#### Highlights

- ❖ Successfully organized an training activities for facilitating Knowledge Management across the organization
- ❖ Interfaced with cross-functional departments for achieving organizational excellence
- ❖ Drew up a detailed plan to achieve each stage of the project, selecting and leading large project team of 5 members
- ❖ Led the team and executed the project within the safety rules and quality standards; was the first point of contact for the clients

#### Dec' 13 – Feb' 16 with North Eastern Space Application Centre, Shillong as Research Scientist (Networks)

##### Key Result Areas:

- ❖ Conducting physical land survey creation of spatial database (maps), graphs & attribute data and creating digital files from maps
- ❖ WEB-GIS application Development using Map server (Geo-Server), open layers ,Java, and related technologies
- ❖ Administered IT networks as part of the team engaged in managing data center, network, data, voice and telephony infrastructure
- ❖ Delivered network maintenance support and responded to outages during off-hour software deployments within established Service Level Agreements (SLAs)
- ❖ Engaged in working with VLAN, VPN, Network Security, MAC Layer Protocols and many more
- ❖ Consulted end-users in determining various network improvement needs based on system functional requirements
- ❖ Worked in compliance with industry best practices to integrate new hardware, software, and network; evaluated network and provided technical inputs on system acquisitions to senior management
- ❖ Selected and implemented new networking tools, policies, procedures and documentation in conjunction with the company's information security and networking initiatives

#### Highlights

- ❖ Liaised with Technology Service Providers and Vendors for speedy resolution of PR
- ❖ Key member of the team that accomplished a successful end-user workstations renewal
- ❖ Switched all business critical services from the legacy solution to new technologies



#### Previous Experience

##### Oct' 12 - Dec' 13 with North Eastern Hills University, Shillong as Junior Research Fellow

##### Key Result Areas:

- ❖ TDMA based MAC protocol developed for long distance Wifi networks.
- ❖ Set a Physical wifi network for a area of 5km radius
- ❖ Worked in OPENWRT Software

##### Major Projects

Project name	Technology used	Duration	Key Result and Client
Telecom utility management, network Planning and GIS Work flow management	ARCGIS, Python, Java, RDBMS(Oracle)	2016 March to Till date	Client: Reliance (Jio)
Space Based Information Kiosk (SBIK) (Web GIS)	Open layers, Map server, SQL, PostgreSQL, ARCGIS	2013 December to 2014 October	Client: All 8 north eastern state Government
North Eastern Districts Resource Plan (NEDRP) (Web GIS)	Java server pages, SQL, PostgreSQL. ARCGIS	2014 march to 2015 April	Client: All 8 north eastern state Government
Japanese Encephalitis Early Warning System (JEEWS) (Web GIS)	Open Layers, PostgreSQL, ARCGIS	2014 October to 2016 January	Client: Assam government Health department

Web-Based Urban Information System for Nongpoh Town (Web GIS)	Map server, JavaScript, java server pages	2015 july to 2015 December	Client: Meghalaya government
Development & Maintenance of NESAC Intranet Portal	Java Server pages, Apache Tomcat, php, postgres, PostgreSQL,C#(DotNet)	2015 may to 2016 February	Client: In house project for utility and asset management(ERP)
Installation & Maintenance of IBM HPC in Office for Numerical Weather Prediction	LINUX(RED HAT),Python , Shell scripting	2015 January to 2015 November	Client: In house infrastructure for Weather Prediction
Long Distance Wi-Fi in Hilly Region (TDMA MAC)	Linux, shell scripting	2012 october to 2013 November	Client: Research project funded By Govt of India

## Academic Projects

- ❖ HLCCDC Guwahati Operation Management System
- ❖ A Source Based Risk Analysis Approach for Software Test Optimization (Final Year Project)

## Publication

- ❖ Dynamic Shortest Route Finder using PG Routing for Emergency Management - S. Singh Puyam, Rosly B Lyngdoh, Dibyajyoti Chutia, Victor Saikhom, Bhargav Kashyap, S Sudhakar in Applied Geomatics, 2015

## Courses and certification

Networks	Data and Database	GIS	Internet of things
Networking from IIHT	Python for Beginner from Udemey	introduction to RS and GIS from IIRS outreach program	Internet of Things Boot camp from IOT BOOTCAMP LAB
Cisco Routers Administration from IIHT	Big Data & Hadoop Developer from SimpliLearn	internet mapping with Geoserver, postgres and openlayers3 from udemey	A simple Framework for Designing IOT Products from Udemey
PC Technician from NIIT, Guwahati	Oracle Database 10g Administration (I & II) from Trendsetters Career Academy	using open source tools to create an enterprise GIS from udemey	An Introduction to Internet of things from IITK
CCNP Switch from Udemey			New Business Markets in the IOT from Udemey

## Trainings

- ❖ Vocational Training Phase-I (2W) from BSNL, Guwahati
- ❖ Network Implementation Training from Airjaldi Networks, Dharamshala (H.P)

## Technical Skills

Networks	Data and Database	GIS	Internet of things
MadWifi, Ath9k, D-Link Switches, MikroTik Routers, IBM Rack Server, HP Rack & Tower  Servers,Dell Rack Servers, Dell WorkStation, IBM Workstation, EMC2 Storage, Wi-Fi,	My SQL, Oracle 10g, Hadoop, Pig, HBase, Map reduce,	ArcGis, QGIS, ERDAS Imaging, Ericsson Network Engineer, MapServer(Geo-server), OpenLayers, Postgres, javaript,python,java,	Cloud computing,Fog computing, zig bee, Lo-Ra, sigfox,WIFI



## Personal Details

**Date of Birth:** 2<sup>nd</sup> March 1989

**Languages Known:** Hindi, English, and Assamese

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