

## Contact

[www.linkedin.com/in/bhupendrasmvdu](https://www.linkedin.com/in/bhupendrasmvdu) (LinkedIn)  
[www.youtube.com/channel/UCJvMXTVWR\\_fXH4oLOEb-oQA](https://www.youtube.com/channel/UCJvMXTVWR_fXH4oLOEb-oQA)  
(Other)

## Top Skills

Research  
Programming  
Wireless Networking

## Languages

English (Full Professional)  
Hindi (Full Professional)  
Sanskrit (Limited Working)

## Certifications

Freescall Cup  
PRASAR BHARTI,INDIA'S PUBLIC  
SERVICE BROADCASTER  
Securing the IoT: Privacy  
Eyantra  
Certificate of Participation

## Honors-Awards

Student Coordinator at Titiksha

## Publications

Simulation of Vedic Multiplier Using  
VHDL code

# Bhupendra Pratap Singh

Product Development | Deep Tech | Speaker | Cloud Native  
Architecture  
Noida

## Summary

Converting Product Management Vision into tangible, state of the art software to make the customers experience a delight.

Experience in creating product roadmaps from conception to launch, driving the product vision, defining go-to-market strategy, and leading design discussions.

Manage IoT technology projects and product developments throughout their lifecycle for the digitization of the current and future digital offerings.

Skilled polyglot programmer specializing in Internet of Things.

Experienced with Distributed Ledger technology (fee less transactions), Wireless Sensor Networks, Edge Computing Frameworks, Cloud Native Applications, Embedded Linux, TICK Stack and communicating technical results to audiences with various backgrounds.

Thorough understanding of Socket Programming, C, Python, Node.JS, SQL, Time Series databases, Prometheus, Docker, Kubernetes, Grafana and other computing frameworks and languages.

Published more than 10 research papers in reputed journals and conferences.

Loves Working and contributing with open source tools and technologies.

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## Experience

## HashStudioz Technologies Private Limited

### Senior IoT Engineer

April 2021 - Present (3 months)

Noida, Uttar Pradesh, India

#### Tech Lead

## Bliss Health, Inc.

9 months

### IoT Product Manager

November 2020 - April 2021 (6 months)

Durham, North Carolina, United States

Lead the project from Ideation to product phase to create seamless connections between devices and the Electronic Health Records, to bring concise patient monitoring directly to the care providers.

### IoT, R&D Lead

August 2020 - November 2020 (4 months)

Durham, North Carolina, United States

Bliss Health is a USA based technology company focused on connecting the healthcare ecosystem and enabling hybrid and virtual care models through their Bliss CONNECT platform.

#### Roles and Responsibilities:

- Project Lead for IoT solution development across the layers.
- Designing architecture, Writing firmware for Healthcare IoT Devices, Platform development.
- Design and implement innovative and practical solutions to feature requests
- Participate in the definition of coding standards & methods used on the team, and ensure coding standards are followed;
- Collaborate with system/feature stakeholders to discuss, collect, interpret and analyse technical constraints and establish technical solutions.

## CDAC

### IoT, Research And Development Engineer

September 2017 - August 2020 (3 years)

Pune Area, India

Research, Development in Internet of Things across the layers.

Technical support and guidance to IAF exam software.

Developing technical contents and modules for PG-DIoT course.

Communicating technical results to PG-DIoT and PG-DESD students (NSQF-Level-VIII).

### Centre for Development of Advanced Computing

Postgraduate Student

February 2017 - August 2017 (7 months)

Pune Area, India

PG Diploma in Internet of Things

### B&R Industrial Automation

Internship

July 2017 - July 2017 (1 month)

Pune Area, India

A well-established IOT Architecture ranging from End-Device to Cloud Platform has been implemented. At Layer-1 Ultrasonic Sensor is used to measure the water level of a field/tank. At layer-2 OPC-UA Client and Server architecture is implemented to send and receive data from the sensors. At layer-3 scalable and flexible Cloud Platform Thingsboard is used where data aggregation and visualization is done, apart from the data visualization controlling of actuator 5V DC motor is done which will turn on and off according to the threshold of water Level. As an Administrator part, HMI is implemented on the Cloud Platform where Actuators can be controlled at any moment. The notification system has also been implemented. Whenever any unexpected event happens or any intelligent decision taken from the cloud side, Administrator will get email and SMS on his/her registered Email and Mobile Phone.

### Shri Mata Vaishno Devi University

Electronics and Communication Engineering

August 2012 - May 2016 (3 years 10 months)

SMVDU, Katra

Graduate in Electronics and Communication Engineering

### Bhabha Atomic Research Centre

Summer Intern

June 2015 - July 2015 (2 months)

Image Processing, LAB Windows/CVI

### Doordarshan News

Internship

June 2014 - July 2014 (2 months)

During the training of one month, I learned various things here which include Video Mixing, Earth Station & it's working, Satellites it's type and working and brief description of Dish Antenna.

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## Education

Shri Mata Vaishno Devi University

Bachelor of Technology (B.Tech.), Electronics and Communications  
Engineering · (2012 - 2016)

D B S INTER COLLEGE HANUMANGANJ SARURPUR FAIZABAD

10+2, Physics, Chemistry, mathematics · (1999 - 2011)