

BHUMIKA K. R.

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CAREER OBJECTIVE

Passionate Electronics & Communication Engineering graduate skilled in Embedded Systems, IoT, Cloud Computing, and Data Visualization. Eager to leverage hands-on project experience, strong analytical abilities, and AWS-powered cloud knowledge to deliver innovative, scalable technology solutions in a dynamic engineering environment.

EDUCATION

B.Tech – Electronics & Communication Engineering	2020 – 2024
<i>Nitte Meenakshi Institute of Technology (VTU)</i>	GPA: 7.6 / 10
Pre-University – PCMC	2018 – 2020
<i>Chethana PU College (State Board)</i>	60 %
Class X	2018
<i>Soundarya Central School (CBSE)</i>	88 %

TECHNICAL SKILLS

- Programming: Python, Java, C, SQL
- Cloud: AWS (Cloud Practitioner, Security Fundamentals)
- Web: HTML, CSS, JavaScript, MySQL, REST APIs
- Tools: Git, VS Code, MATLAB, MS Office
- Embedded Platforms: Arduino, ESP32
- Data Analytics: Power BI, DAX, Power Query
- Machine Learning: Edge Impulse, Basics of ML & AI
- Operating Systems: Windows, Linux (Basics)

SELECTED PROJECTS & WORKSHOPS

IoT-Based Embedded Monitoring System (*Embedded Systems Workshop*)

- Developed real-time monitoring solution using Arduino & ESP32 integrating temperature, water-level and LED control sensors.
- Implemented Edge-based ML model to improve anomaly detection accuracy by 18 %.
- Performed unit & integration testing to ensure 95 % reliability under varied environmental conditions.

Business Strategy Formulation through Data Science (*IIT-M CODE Program*)

- Applied descriptive, predictive and prescriptive analytics to transform unstructured datasets into actionable insights.
- Created interactive Power BI dashboards enabling C-level stakeholders to reduce decision-making time by 30 %.

Power BI Dashboards for Sales Analytics (*10x Academy Session*)

- Cleaned and transformed multi-source data (Excel, SQL) with Power Query; authored complex DAX measures.
- Published shareable reports, demonstrating real-time KPI tracking and trend analysis for business users.

CERTIFICATIONS & CONTINUOUS LEARNING

- AWS Cloud Practitioner Essentials • AWS Security Fundamentals • Amazon Bedrock Getting Started
- Embedded Systems & IoT Professional Training – RINEX Entrepreneurship Cell
- Strategy Formulation & Data Visualization – IIT Madras Centre for Outreach & Digital Education
- Machine Learning & IoT Workshop – NMIT
- Python Programming & Front-End Web Development – Learntube by CareerNinja
- Basics of Web Development, Java, and Data Science – Infosys Springboard
- Cloud Computing Foundation – Simplilearn
- 7-Day Code Challenge (HTML, CSS, SQL, Python, ML) – NxtWave

ACHIEVEMENTS & VOLUNTEERING

- Blood Donation Camp – Certificate of Appreciation, 2023
- Volunteer, Japan Zenken Cultural Exchange Program
- Office Master Certification for Advanced MS Office Proficiency