

Mohit Bakshi

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Education

IIIT GUWAHATI

BTech in Electronics and Communication Engineering

Guwahati, India

July 2019 - May 2023

- **CGPA:** 8.21
- **Courses:** Data Structures, C programming, Digital Signal processing, Parallel Computer Architecture, Principles of Communication, Computer Architecture, IT workshop, Signals and Systems.

KV Sec-4 RK Puram

High School

Delhi, India

April 2006 - March 2018

- **12th percentage :** 90.8
- **10th CGPA :** 10.0

Work Experience

Amazon

Software Development Engineer **Intern**

Bengaluru, India

January 2023 - June 2023

- Created a consolidated Global Health Dashboard for all the On-premise compute (OPC) devices running inside amazon Go stores with all the key algorithm metrics to improve developer productivity and easy debugging during critical on-call operations.
- Created a centralized portal with dedicated alarms for all the health metrics along with Cost statistics and Bandwidth usage for each store.
- Reduced the error look-up time by approx.**50%** by eliminating the need to login into different AWS accounts simultaneously for debugging.
- Eliminated all the manual effort required to on-board any new store to the dashboard by fetching live data from server instead of maintaining a custom list and provided an easy, fast and smooth process to on-board any new algorithm within few minutes.
- **Technical Skills:** AWS Cloud Development Kit, Typescript, Docker, AWS Cloudformation, Dashboards, Amazon **JWO** Technology.
- **Soft Skills:** Teamwork, Critical thinking, Frugality, Dive Deep, Communication, Ownership, Customer Obsession.

Quantium

Data Analytics Virtual **Intern**

Remote

December 2021 - February 2022

- Conducted analysis on client's transaction data set and identified customer purchasing behaviours to generate insights and provide commercial recommendations to store owners for better sales.
- Identified benchmark stores that allowed to test the impact of trial store layouts on customer sales using python libraries like plotly and scipy.
- **Technical Skills:** Python, Jupyter Notebooks, Statistics.
- **Soft Skills:** Problem solving, Critical thinking, Accountability, Ownership.

Projects

Analysis of technology usage trend in IT **industry**

IBM Data Analyst Professional **Certificate**

Remote

June 2021 - October 2021

- Identified current technology usage and predicted possible future changes in the IT sector.
- Analyzed the demographic and geographic distribution of IT professionals and students of over 100 countries.
- **Technical Skills:** Python with Pandas, SQLite, Plotly, Jupyter Notebook .
- **Soft Skills:** Presentation skills, Leadership, Teamwork, Logical Thinking.

Robotics Club Website

IIIT Guwahati

Guwahati, India

July 2021

- Created past coordinators and image gallery pages for the robotics club **website** of the institute.
- **Technical Skills:** Javascript, HTML/CSS, NodeJs.
- **Soft Skills:** Problem Solving, Teamwork, Logical Thinking, Ownership.

Dielectric Resonator Antenna For Ultra Wide Band Applications

IIIT Guwahati

Guwahati, India

August 2022 - November 2022

- Designed a Double-Element Array Annular ring Antenna to provide an operating bandwidth of 4GHz from 3.1 GHz to 7.1 GHz range.
- Utilized the advantages of Dielectric Resonator to create a light weight, highly bandwidth efficient Antenna for Ultra wide band usage.
- **Technical Skills:** Computer Simulation Technology (CST) studio.
- **Soft Skills:** Problem Solving, Teamwork, Presentation Skills.

Skills

Programming Languages

Python (Pandas, NumPy, Plotly. etc.), C/C++, Java, HTML/CSS, JavaScript, TypeScript, SQL.

Frameworks and tools

ReactJs, NodeJs, Spring, MongoDB, MySQL, Docker, AWS CDK, AWS DynamoDB, Git, Linux.

Soft Skills

Ownership, Customer Obsession, Teamwork, Problem-solving, Critical Thinking, Engaging Presentation.