

## ABHISHEK RAJESH MATHUKIYA

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### EDUCATION

**Master of Science in Computer and Software Engineering, Northeastern University** Expected: 05/2025

Coursework: Data Science Engineering & Machine Learning, Program Structures & Algorithm, Application Engineering Development

**Bachelor of Engineering in Electronics and Telecommunication, University of Mumbai** 05/2022

Coursework: OOPs, Digital Signal Processing, Management Information System, Big Data Systems, Project Management

### TECHNICAL SKILLS

**Certifications:** Microsoft Azure Fundamentals, Agile Software Development, SAP ABAP OOPS

**Programming Languages:** Python, Java, SQL, SAP ABAP on HANA, JavaScript, C++, C#, R, PHP, MATLAB, C, Kubernetes

**Databases:** MySQL, Microsoft SQL Server(MS SQL), MongoDB/ NoSQL, RDBMS

**Data Visualization & Tools:** Tableau, PowerBI, MS Excel, MS Word, MS PowerPoint, JIRA, Linux, G-Suite, Analytics, Statistics

**Frameworks:** NumPy, Pandas, Scikit-Learn, Matplotlib, SciPy, Jupyter, AWS, Git, Azure, Docker, GitHub, Visual Studio

### EXPERIENCE

**SOFTWARE DEVELOPMENT ENGINEER, CAPGEMINI TECHNOLOGY SERVICES LTD., INDIA** 08/2022 – 07/2023

- Expertly orchestrated cloud migration projects, achieving a **30%** increase in system efficiency and user satisfaction by proficient in utilizing Azure Fundamentals and adhering to Functional Specification Documents (FSD)
- Led an ERP upgrade from SAP ECC-6 to S/4 HANA, designing, developing, testing and debugging existing SAP ABAP code, achieving a **25%** performance boost in line with end-to-end Technical Specification Documents (TSD)
- Improved customer satisfaction by **20%** with effective problem solving and SLA management and workflow optimization, employing JIRA for proficient issue tracking and debugging, securing high-quality development and operational excellence
- Spearheaded the agile-driven go-live of critical S/4 HANA financial modules, enhancing delivery efficiency by **15%** and ensuring zero downtime, while maintaining data integrity for retail and French production systems

**DATA SCIENCE INTERN, SUVEN CONSULTANTS & TECHNOLOGY PVT. LTD., INDIA** 01/2021 – 03/2021

- Developed and deployed a resilient social networking platform using PHP and MySQL, yielding a **20%** improvement in performance and security via inventive feature integration and optimization methods
- Augmented web development skills with active involvement in frontend and backend development, elevating proficiency in UI design, database management, and full-stack development methodologies
- Directed the smooth integration of advanced analytics, leading to a **15%** reduction in operational costs through cross-functional teamwork strengthened organizational resilience to fluctuating market conditions.

**SOFTWARE DEVELOPMENT INTERN, GUSTO-VALLEY TECHNOVATIONS PVT. LTD., INDIA** 10/2020 – 11/2020

- Orchestrated the integration of IoT devices into existing systems, enhancing data collection and analysis efficiency by **30%**, thereby streamlining operations and aiding in informed decision-making
- Designed user-centric web interfaces with HTML and CSS, resulting in a **25%** enhancement in user experience engineered flexible backend solutions utilizing PHP and Python, showcasing proficiency in data engineering
- Pioneered IoT integration, enhancing data collection by **30%**, optimizing operations for data-driven decisions

### ACADEMIC PROJECTS

#### **BITCOIN PRICE FORECASTING**

- Refined and developed complex algorithms for analyzing vast datasets, employing advanced feature engineering to enhance the integrity and applicability of data-driven insights in consumer personalization
- Constructed and fine-tuned a variety of machine learning models, including Linear Regression and Random Forest, to significantly uplift the accuracy of predictive analytics in personalization and recommendation engines

#### **AIRPORT MANAGEMENT SYSTEM | [GitHub](#)**

- Architected the development and management of databases, fostering improved data organization and accessibility through the creation of extensive tables and views, ultimately enhancing operational efficiency through research
- Spearheaded implementation of advanced stored procedures and user-defined functions, resulting in a **30%** improvement in data management for complex datasets, leading to enhanced operational efficiency in a competitive e-commerce industry
- Strengthened data accuracy and security by implementing active triggers, employing data encryption techniques, and utilizing Power BI for insightful visualizations, enabling data-driven strategic decision-making