

# MUSKAN HUNDEKAR

Data Engineer

BE - Electronic & Communication

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## CAREER SUMMARY

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“To work in a dynamic and innovative environment that leverages my extensive backend development skills and expertise in cloud technologies, frameworks, and databases, enabling me to contribute effectively to the success and growth of the organization.”

## EXPERIENCE

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### ThirdEye Data

Oct 2022 to Sep 2024

Position as Junior Data Engineer (2 Years)

#### Roles:

- Designing and developing web applications using Spring Boot and related technologies.
- Collaborating with other developers, product owners, and stakeholders to understand requirements and design effective solutions.
- Development of REST APIs using Java, Spring Boot, and Spring Data
- Writing clean, efficient, and maintainable code using best practices and industry standards.
- Participating in code reviews to identify and address issues to improve code quality.
- Troubleshooting and debugging issues in production environments.
- Using version control systems like Git to manage code changes.
- Working with databases such as Mongo db.
- Familiarity with Kafka message broker and event streaming platform.
- Knowledge of Elastic Search for efficient data search and indexing.
- Developed web applications using Python Django and Flask frameworks.
- Deployed Python Django, React.js, and Flask applications on DigitalOcean servers
- Created virtual environments and installed packages for Django backend.
- Managed servers on DigitalOcean: set up domains on Cloudflare and GoDaddy.
- Configured NGINX and implemented SSL

## SKILLS

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- Well versed with the knowledge of coding with advance techniques such as Machine Learning, Artificial Intelligence etc.
- Ability to creative direction, attention to details, organized, and balances multiple tasks.
- Solid working knowledge of the IntelliJ IDEA, VScode tool.
- A strong multi-tasker, with an ability to work smartly and efficiently with careful attention to details.
- Good leadership and ability to handle teams.
- Quick and lifetime learner.

## TECHNICAL SKILLS

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Skills	Detail Topics
Programming Languages	Core Java, Python,HTML,CSS
Frameworks	Spring Boot,Gradle,Flask,Django,Chainlit
Cloud Platforms	Azure, GCP
Streaming Platform	Kafka
Version Control system	GitHub, GitBash, Bitbucket
Cloud & Storage Solutions	Minio (Object Storage)
Operating System	Windows, Linux, Unix
Database	MySQL, MongoDB, SQL Server
Database Tools	Studio 3T, MongoDB Compass, MySQL Workbench
Web Hosting & Domain Management	Cloudflare, GoDaddy, DigitalOcean.
Development & Collaboration	IntelliJ IDEA, Postman, GitHub Desktop, VS Code,Docker
HRMS Tool	Zoho

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## PROJECT

### 1-XPERI

#### Role: Backend Developer

- Development of a dataset management tool, used by data scientists to prepare training datasets and run the machine learning algorithms.
- This application is built on micro service architecture using Java, Spring Boot, Spring, MongoDB, Kafka,Elasticsearch, Docker.
- Created a service that sends messages to another service using Kafka broker.
- Developed an Avro schema for message transmission through Kafka.
- Created APIs using CRUD operations.
- Integrated Elasticsearch with Java Spring Boot using RestHighLevelClient and ElasticsearchClient for seamless communication and data indexing.
- Designed and implemented a system for dynamic index creation in Elasticsearch, using JSON templates for structured and flexible index management.
- The JSON template for the index is loaded from a file, defining the structure and settings for the index.
- Implemented Countdown Latch to ensure the completion of all threads.

## **2-Prochain**

### **Role: Backend Data Engineer:**

- Developed a conversational AI chatbot using Chainlit, integrating a machine learning model provided by the data science team for enhanced user engagement and information retrieval.
- Customized the chatbot interface by implementing CSS modifications and integrating a company logo to align with the Prochain brand.
- Incorporated Lateral AI for user feedback analysis, allowing users to like or dislike comments, thereby improving response accuracy.
- Built a Python script to convert website URLs into PDFs, storing them in Azure Blob Storage and utilizing the PDFs as input for the chatbot, facilitating real-time question-answering based on document content.
- Designed the chatbot to return relevant information from PDFs, including page numbers and document names, to ensure precise data extraction and presentation.
- Deployed and configured Chainlit on a Linux DigitalOcean (DO) server, creating a virtual environment (venv) and installing necessary libraries.
- Set up Nginx configuration and created a custom domain to host the chatbot application.
- Integrated the Azure Cloud infrastructure to manage PDF storage and processing, enabling scalable and efficient content retrieval for the chatbot.

## **3-Safera:**

### **Role: Backend Developer**

- Developed authentication APIs using Python Django framework for student login and registration.
- Implemented functionality for generating and assigning unique licenses to students.
- Integrated SMTP email notification system for informing users about license assignment and registration.
- Developed an API to create WordPress users programmatically, enhancing system functionality.
- Collaborated with the team to design and implement features, ensuring seamless user experience.

## **4-Optira**

### **Role: Backend Engineer**

- Set up the Python Django backend environment, including creating virtual environments and installing necessary packages for the project.
- Configured and managed the Django application settings for optimal performance and security.
- Deployed the Django backend to a hosting environment, ensuring compatibility and scalability.
- Worked on configuring and deploying the React.js frontend, including installing npm packages and setting up the build process.
- Collaborated with the team to ensure seamless integration between the frontend and backend components.
- Configured NGINX web server to serve the application and handle incoming requests efficiently.
- Implemented SSL certificates for secure communication between clients and the server.

## 5-Layout:

### Role:DevOps Engineer

- Configured an IP in DigitalOcean server.
- Managed domain settings in Cloudflare and registered the domain with Godaddy.
- Deployed Flask backend and frontend components on the server.
- Implemented SSL certification for enhanced security.

## 6-J&F:

### Role: DevOps Engineer

- User and Group Management: Added all company users and created groups in Intune.
- Device Enrollment: Enrolled and tracked employee devices, including IPs and locations.
- Security Policies: Implemented BitLocker and device security policies.
- Device Monitoring: Monitored devices for compliance and security.

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## EDUCATION & CREDENTIALS

**Bachelor of Technology in Electronic & Communication** (VTU, CGPA - 7.54) Aug 2018 – Present

- SECAB Institute of Engineering & Technology, Vijayapura

**Higher Secondary School** (PU Board, Percentage – 77.83) Jul 2018

- Radiant PU College, Vijayapura

**High School** (KSEEB, Percentage – 88.16) Jul 2016

- Iqra Urdu High School, Vijayapura

## PERSONAL DETAILS

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<b>Date of Birth</b>	01/02/2000
<b>Nationality</b>	Indian
<b>Languages</b>	English & Urdu
<b>Permanent Address</b>	Near Anjuman College, Vijayapura, Karnataka - 586101