

Piyusha khode

Software Developer

Norwich, United Kingdom (Able to relocate) | +44 7776432853 | khodepiyusha@gmail.com
| [LinkedIn](#) | [Github](#) | [Portfolio](#) |

PROFESSIONAL SUMMARY

Software Developer with over a year of experience in designing and deploying high-performance web and backend applications using **React**, **Python**, **Java**, and **C++**. Demonstrated ability to integrate and optimize **RESTful APIs** and **microservices**, improving scalability and operational efficiency. Experienced in AI, machine learning and data engineering. Holds an **MSc in Data Science with Distinction** and excels in **Agile methodologies**, delivering scalable solutions that enhance user engagement and system reliability .

SKILLS

Technical Skills: Python, SQL, JavaScript, Java, C++, React, NodeJS, Tailwind CSS, RESTful API, .Net , Machine Learning, Spring Boot

Cloud & DevOps: AWS , Firebase, Git, Microsoft Azure

Project & Database Management: Agile methodologies, Trello , MongoDB, PostgreSQL, SQL

WORK EXPERIENCE

Software Developer
Reliance Jio

July 2022 - Aug 2023
Mumbai, India

- Spearheaded the integration and deployment of RESTful APIs and middleware applications using **JAVA**, enabling seamless communication between databases and consumers through **JSON** and **SOAP** requests.
- Designed and implemented scalable **microservices architecture**, improving system scalability by **50%** and reducing **Mean Time to Resolution (MTTR)** by up to **85%**.
- Built dynamic and responsive user interfaces using **React**, enhancing user experience and engagement.
- Conducted performance assessments and testing using **Postman**, **Swagger**, and **SOAP UI**, ensuring robust and reliable functionality across applications.
- Collaborated with cross-functional teams to gather requirements and improve user experiences, leading to a **40% boost in customer satisfaction ratings**.
- Improved project delivery efficiency by **60%** and system scalability through expertise in **Java**, **Spring Boot** , **React**, and **Python**.
- Ensured **quality assurance** for digital applications using Microsoft Azure, enhancing application reliability and performance.
- Gained experience in **SQL queries**, database interactions, and version control with **GitHub**.

EDUCATION

MSc Data Science

Sep 2023 - Sep 2024

University of East Anglia | **Grade:** Distinction

B Tech. Electronics And Telecommunication Engineering

Jun 2019 - May 2022

Savitribai Phule pune University | **Grade:** Distinction

PROJECTS

Emotion Recognition Using Physiological Signals ([Git](#))

- Developed an emotion recognition model utilizing physiological signals using Python from k-Emo Con dataset. (heart rate, Blood Volume Pulse [BVP], and Electrodermal Activity [EDA]).
- **Preprocessed and extracted key features** from raw physiological data, synchronized with timestamps and incorporated emotion annotations from 32 participants.
- Achieved an **accuracy rate of 74%** in classifying emotional states, contributing to advancements in affective computing and human-computer interaction.

Command Line MUD Game ([Git](#))

- Developed a **Command Line MUD Game** using **Python**, creating an interactive and engaging text-based multiplayer experience.
- Implemented efficient **data structures** and game mechanics, ensuring smooth gameplay and scalability for multiple players.
- Employed **Agile Scrum Methodology** to manage development cycles, prioritize features, and ensure timely delivery.
- Designed use case diagrams and sequence diagrams to model game functionality and document the development process.

Exploring the Intersection of Compression Techniques and Text Classification([Git](#))

- Proposed a novel "**parameter-free**" **machine learning approach** for text classification using **compression algorithms** to approximate **Kolmogorov complexity**.
- Streamlined the classification pipeline by eliminating separate training and testing phases.
- Demonstrated superior accuracy of **LZMA-based methods** and highlighted **Naive Bayes (NB)** for resource-constrained scenarios.
- Emphasized a balanced approach to text classification, addressing trade-offs between accuracy and computational efficiency.

CERTIFICATIONS

- **C Programming** - SEED Infotech Pune, India
- **C++ Programming** - SEED Infotech Pune, India
- **Java Programming** - SEED Infotech Pune, India
- **Advance Java** - SEED Infotech Pune, India
- **Python** - Internshala.com
- **Software Programmer** - Infosys