

# Joseph Meghanath. D

Software Engineer & Data Enthusiast | Proficient in Java, Python, C, C++, React | Specializing in Big Data Analytics & Machine Learning

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## EXPERIENCE

**Bicycle**, Hyderabad — *Software Engineer II - Java Developer - Machine Learning Algorithms and Rest API's*

May 2020 - Nov 2023

- Spearheaded the development of anomaly detection and notification services, driving improved efficiency by 30% and workflow optimization.
- Implemented correlation mechanisms to swiftly identify root causes of anomalies, significantly enhancing product reliability.
- Compiled and executed various Microservices and REST APIs in Java and Python, thereby bolstering the effectiveness of software teams.
- Brainstormed prompt engineering initiatives to streamline project efficiency and workflow, ensuring timely delivery and contributing to a 50% enhancement in product usability.
- Collaborated with cross-functional teams to troubleshoot and resolve technical issues promptly.
- Implemented various scheduling algorithms, resulting in a staggering 95% reduction in customer waiting time.

**Agilitix.ai**, Hyderabad — *Software Engineer, Software Engineer intern- Python - ML algorithms*

May 2019 - May 2020, Oct 2018 - Apr 2019

- Planned and deployed machine learning algorithms for anomaly detection in large-scale time series data, significantly improving product performance
- Analyzed logs to swiftly identify and resolve daily occurring errors in product logs, ensuring seamless operation
- Contributed to the development of apptuit-py, a Python library for storing time series data in Big Table, enhancing data management capabilities
- Conducted extensive research on log analysis using autoencoders and decoders for metric extraction and anomaly prediction.

## EDUCATION

**University of Central Missouri**, Missouri— *Masters. GPA: 3.8*

Jan 2024 - Present

- Engaging in a comprehensive Big Data Analytics program with a focus on advanced data processing techniques to solve complex business challenges
- Specializing in machine learning methodologies for data-driven decision-making, Acquiring in-depth knowledge of statistical analysis, data visualization, and predictive modeling

**CMR College of Engineering and Technology**, Hyderabad— *B-Tech. GPA: 3.5*

Aug 2015 - May 2019

- Mastered Data Structures and various programming languages including Java, Python, C, and C++, Acquired strong problem-solving skills a through coursework and projects, Participated in workshops and seminars on emerging technologies in computer science

## PROJECTS

**RideShareApplication - College Project — React**

Drafted, Designed and wrote a website, incorporating ReactJS, Java spring boot and Cassandra connecting people who need a ride and who are willing to share a ride.

**No-SQL-DB - Personal Project — C Language**

Created a No-SQL-DB in C with version capability and a specific Query Language, available on GitHub. (<https://github.com/JoeHitHard/No-SQL-DB>)

**Automated Pneumonia Detection — Python**

Developed a Pneumonia detection engine using Django and TensorFlow to verify X-ray images for Pneumonia.

## SKILLS

- Proficient in Java, Python, C, C++, Javascript, HTML, CSS, and React
- Experienced in designing and implementing RESTful APIs.
- Skilled in machine learning algorithms using Python and Java
- Utilized Machine Learning Libraries: TensorFlow, PyTorch, scikit-learn
- Proficient in UI development using React, Node.js, and Angular
- Well-versed in database architectures including Oracle, MySQL Server, Postgres, Cassandra, Amazon RDS, Druid, and OTSDB
- Handled Java projects and Android applications development
- Familiar with Git, GCP, AWS, Docker, Kubernetes, Log4J, YAML, JSON, and XML

## OTHER EXPERIENCE

- Engineered an Android Application for Telangana Sainik Welfare
- Represented college at Technical Fest at BITS Pilani
- Organized a “C and DS summer camp” at CMR College of Engineering and Technology

## LANGUAGES

- English,
- Telugu,
- Hindi.