Charishma Ambati

Machine Learning Engineer

Contact

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Technical Skills

Languages: Java 17, Python 3.10

Technologies: HTML5, CSS3, JavaScript, JSON, React

Frameworks: Spring Boot, Fast API, Pytorch, Tensorflow, sci-kit-learn, Gen AI

Cloud Technologies: Azure Databricks, AWS Cloud Watch, AWS Cloud Formation

Databases: My-SQL, Mangodb, Snowflake

Data Analysis: Exploratory Data Analysis, Feature Selection, pandas

Data Visualization: Matplotlib, Power BI

Application/Web Servers: Apache Tomcat

Build and Configuration: Tools Maven, Jenkins

Version Control Tools: Git, Bitbucket

Project Management Tools: Jira, Apple Radar

Hardware and software installation, Solutions deployment, Technical Writing

Operational analysis, Build releases, Agile

Engineering standards

Results-driven Software Engineer 4+ years hands-on experience with a strong technical foundation in data science, computer science, machine learning, and artificial intelligence with expertise in Python and Java. Seeking opportunity as Machine Learning Engineer with a company I can grow with.

Work History

2023-01 - Current

Software Engineer Rotational

Staples, Texas

- Developed machine learning solutions for Pricing, e-commerce, and cross-functional teams using Python and Azure Data bricks
- Collaborate within a 15-member Agile team, driving innovation through Machine Learning technologies
- Worked with NLP model to remove human interference by 80%.
- Implemented Transformer-based models for NLP tasks, enhancing text analysis capabilities for pricing strategies
- Constructed pipeline for clustering and analysis, contributing to customer product recommendations
- Established best practices for pragmatic programming and separation of concerns
- Worked on automating data from multiple formats into CSV files to unify the process using Bert-based transformers
- Worked on a project with e-commerce teams to include ML the current subscriptions pipelines and enhance the improve the user experience by 30%.
- Created a Restful Service using Fast Api and Python 3.10
- Technologies: Python 3.10, Azure Databricks, Snowflake, Flask, NLP, computer vision, Agile, SQL, CI/CD.

2020-07 - 2021-07

Full Stack Developer - Systems Engineer

Tata Consultancy Services, Apple , India

- Engineered microservices using Java and Spring Boot, enhancing the efficiency of application components
- Worked with customer faced teams and worked with 70% on enhancing backend, 20 % with the front end technologies and 10% on-call support.
- Utilized Splunk and Radar for debugging and ticketing systems
- Collaborated in Agile/Scrum framework, utilizing AWS, Docker, and Git for streamlined development
- Used a Microservice architecture, and developed RESTFUL web services using Spring Boot framework
- Used Amazon Web Services (AWS) for promoting code in various Environments
- Used continuous build using Jenkins and supported the Application for production deployment and postproduction
- Technologies: Java, Spring, Spring Boot, CSS, Jenkins, REST APIs, AWS, GIT, JUnit, Radar, Splunk, Agile
- Linux scripting and Mac.

2020-02 - 2020-06

Full stack Associate Developer - Intern

Tata Consultancy Services , India

- I was part of the Software Development Life Cycle - SDLC in Developing a Supply Chain Application with
- Python 3.7 back end, incorporating machine learning techniques for vehicle routing and time series analysis

- Implemented Flask API and integrated React 16 for the front end, creating a seamless user experience
- Leveraged AWS services for cloud-based deployment and Git for source code management
- I worked with Professors from IIT Chennai to bring practical algorithms to the production environment
- Revised, and modularized old code bases to modern development standards and improved functionality
- Followed Agile methodology for efficient project execution
- Technologies: Python 3.7, Flask, HTML, CSS, Github, Eclipse, AWS and Windows, React.

Education

2022-01 - 2023-05

Master of Science: Data Science

The University of Texas

2016-08 - 2020-09

Bachelor of Science: Electronics and Communications Engineering

BVRIT Hyderabad College of Engineering For Women - Hyderabad

Certifications

Google Generative AI learning path Certificate.

IBM Data Science Professional Certificate

Infosys Certified Software Programmer

Professional Certificate in Artificial Intelligence and Emerging Technologies