

# Mohit Chandra Patakula

📍 Arlington, TX    ✉️ mohitcp05@gmail.com    ☎️ (817) 881-9014    in mohitchandrapatakula

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Detail-oriented Software Engineer with 3 years of experience in full-stack development, cloud technologies, and automation. Skilled in Java, Python, and modern web frameworks, with a strong track record of designing scalable and efficient enterprise solutions. Experienced in collaborating with cross-functional teams to optimize processes and enhance system performance. Passionate about problem-solving, continuous learning, and leveraging technology to drive business success.

## Education

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### University of Texas at Arlington, TX

Aug 2023 – May 2025

M.S. in Computer Science

GPA: 3.2/4.0

### KL University, India

June 2018 – April 2022

B.Tech in Computer Science and Engineering

GPA: 7.77/10.0

## Skills

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**Languages:** Java, Python, HTML, CSS, Bootstrap, JavaScript, C

**Technologies:** GitLab, Docker, Linux, ServiceNow, Kubernetes, Maven

**Cloud & Databases:** Amazon Web Services, MySQL, MongoDB, EC2

## Experience

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### Cognizant Technology Solutions

July 2022 – May 2023

Programmer Analyst Trainee

- Developed and integrated new features and functionalities to meet business requirements using Spring Boot and microservices architecture.
- Analyzed legacy codebases to design and implement enhancements for the new project while ensuring backward compatibility.
- Created RESTful APIs to support seamless integration with front-end applications, leveraging modern frameworks and best practices.
- Utilized JUnit and Mockito to develop and execute comprehensive unit tests, ensuring robustness and correctness of application logic.
- Collaborated with the team to resolve code quality issues flagged by SonarQube and actively contributed to CI/CD pipeline setup for automated build and deployment.
- Participated in peer code reviews to uphold coding standards and incorporated feedback to improve code quality, contributing to on-time project delivery.

### Cognizant Technology Solutions

Dec 2021 – June 2022

Java Full Stack Intern

- Developed a Pension Management System for the state government to automate pensioner detail provisioning, calculation, and disbursement.
- Contributed to the Process Pension microservice, a middleware component, as part of a team implementing three microservices.
- Designed and implemented operations to determine pension type (self or family), calculate pension amount post-data authentication, and display results on the web application using Java, Spring Boot, and SQL.
- Integrated the module with the web application interface built using Angular, Bootstrap, CSS, and HTML, ensuring seamless user interactions.
- Initiated the pension disbursement process based on admin confirmation and handled error codes from the disbursement module, returning appropriate messages.
- Deployed the microservice to AWS, ensuring scalability and reliability of the solution.

- Collaborated with team members to ensure proper integration of all microservices, aligning with project goals and deadlines.

## Unificater

June 2021 – Nov 2021

Python Developer Intern

- Designed a no-code ETL platform with visual drag-and-drop components for simplified data integration and transformation workflows.
- Developed features for data ingestion, transformation, error handling, and execution tracking across structured, unstructured, and streaming data.
- Contributed to the alpha version of the product using Agile methodology, enabling iterative development and on-UI documentation.
- Automated data cleansing and reconciliation processes to reduce manual developer effort and improve data pipeline efficiency.
- Utilized tools like Jira, Confluence, Postman, and GitHub for project tracking, API testing, collaboration, and version control.

## NIT Data

June 2020 – June 2021

Data Engineer Intern

- Conducted revenue and P&L analysis, providing actionable insights and identifying opportunities for financial growth.
- Led data reconciliation and Independent Price Verification (IPV) efforts to ensure financial data accuracy and consistency.
- Collaborated with finance, IT, and operations teams to streamline reporting processes and develop scalable data workflows.
- Built and maintained financial models and dashboards using SQL, Excel, and Tableau for senior management reporting.
- Documented business requirements and translated them into technical specifications to support cross-functional projects.

## Projects

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### Pension Management System

2022

- Designed and developed a comprehensive portal for pension disbursement, ensuring seamless user interaction and efficient data handling.
- Implemented backend functionality using Java (Spring Framework) for secure and robust operations.
- Developed an intuitive and responsive user interface with HTML, CSS, and Angular, enhancing the user experience.
- Ensured proper integration between front-end and back-end systems for smooth data flow and functionality.
- Utilized Spring Tool Suite and VS Code for efficient coding and debugging during the development lifecycle.
- Deployed the application on AWS Cloud, ensuring scalability, high availability, and performance optimization.
- Focused on security measures and compliance standards for handling sensitive pension-related data.

### Bird Species Identification from an Image

2021

- Developed a Python-based image classification system using Convolutional Neural Networks (CNNs) to identify bird species from images.
- Implemented a robust backend in Python within a Jupyter Notebook environment, ensuring clean, modular, and well-documented code.
- Integrated image processing and external dataset APIs to support real-time classification and testing.
- Applied data preprocessing, augmentation, and hyperparameter tuning to enhance model accuracy and scalability.
- Wrote and executed unit tests to validate model performance, using metrics such as precision, recall, and accuracy for evaluation and optimization.

## Certifications

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- **AWS** - Certified Data Engineer - Associate
- **ServiceNow** - Certified System Administrator
- **Certiport** - Microsoft Technology Associate (MTA)
- **LinkedIn** - Advanced NLP with Python for Machine Learning (2020)
- **Coursera** - Machine Learning Specialization