Abdul Ajij Ansari

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Skills

Languages & Frameworks: Python, Django, PHP, Laravel, Kotlin, SQL, JavaScript

Databases & Cloud: MySQL, AWS S3, Athena

Tools & Technologies: Jenkins, Git, GitHub, Bitbucket, AWS CodeCommit, Postman, JIRA, Bitbucket

Frontend & Visualization: HTML, CSS, AJAX, jQuery, Highcharts

Mobile & Testing: Android, JUnit

AI/ML: GenAI, Langchain

Professional Work Experience

Unthinkable Solutions – Gurugram

Sr. Associate - Software Engineer

Mar 2025 – Present

- Built a website-integrated Q&A chatbot using a Retrieval-Augmented Generation (RAG) pipeline, enabling context-aware responses sourced from internal knowledge bases.
- Improved MySQL query performance on large tables (80M+ rows), reducing response time from 30 seconds to under 3 seconds.
- Created a customized analytics widget adopted by 1000+ users, improving reporting efficiency and user experience.
- Built and maintained REST APIs using Laravel, MySQL, and AWS services like Glue and Athena.
- Stack: Python, Gen AI, Laravel, MySQL, Jenkins, Postman, Git, Agile.

Associate - Software Engineer
Dec 2022 – Mar 2025
- Worked on backend and frontend modules for report management and analytics dashboards.
- Integrated charting libraries like Highcharts and C3.js into Laravel-based frontend systems.
- Created and managed REST APIs using Laravel and PHP, supporting dynamic data operations. Deployed and maintained applications using AWS Cloud and Jenkins in an Agile environment.
- Stack: Laravel, PHP, Python, Django, MySQL, HTML, CSS, jQuery, AWS (Athena, Glue, S3), Jenkins, Agile

Jr. Associate - Software Engineer
Dec 2020 – Dec 2022
- Developed an Android app to automate photo capture and upload to S3, enabling ML models to process images directly from cloud storage.
- Integrated ML-based Indian currency detection into an Android app, increasing user engagement by **50%**.
- Built a Spring Boot REST API for detecting face-centered images by integrating C++ libraries.
- Stack: Java, Spring Boot, Maven, AWS S3, Android, GitHub

Intern
Jul 2020 – Dec 2020
- Added multilingual support to improve accessibility for visually impaired users.
- Stack: Android, XML, Kotlin, Image Processing, Speech Recognition

Project Work

Drewry (Jan 2023 – Present)
- Led development of a Laravel and Python based freight rate calculator with Athena & Glue integrations for querying S3 data.

- Designed and deployed dashboards for real-time visualization using containerized services.

Bridge to India (Nov 2021 – Dec 2022)
- Delivered backend and frontend enhancements for a renewable energy consultancy platform using the Django framework.
- Focused on data visualization, system performance, and codebase scalability.

Face Detector (Jan 2021 – Nov 2021)
- Built a Spring Boot API and Android client to validate if images were centered on human faces using C++ libraries.
- Ensured seamless API integration and clean code practices.

MANI (Sep 2020 – Dec 2020)
- Enhanced accessibility features in the RBI MANI app for currency detection.
- Integrated regional language support and improved UI for differently-abled users.

Education

Galgotias College of Engineering & Technology, Greater Noida

Jul 2016 - Jun 2020 B.Tech in Computer Science and Engineering   *CGPA:8.13/10*
Relevant Coursework: Object Oriented Programming, Databases, DSA, Operating Systems, Machine Learning

Awards and Certificates

- Python specialization on Coursera (Certificate link)
- MySQL specialization on Coursera (Certificate link)