# PRITI YADAV
*Software Development Engineer*
Noida, UP – 201301

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## PROFESSIONAL SUMMARY

Detail-oriented Software Development Engineer with 2+ years of experience specializing in Java, Spring Boot and REST APIs. Proven ability to develop scalable, high-performance applications and solve complex technical challenges. Seeking to leverage expertise in full-stack development and problem-solving to build innovative software solutions.

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, SQL
- **Frameworks & Libraries:** Spring Boot, Hibernate, Spring Security, JavaFX, JSP, Servlets, JPA
- **Web Development:** HTML5, CSS3, JavaScript, AJAX, jQuery
- **Databases:** Oracle, MySQL, PostgreSQL, SQL Server, PL/SQL
- **Data Handling & Cleaning:** NumPy, Pandas (Python)
- **Tools & Services:** Postman, GitHub, SceneBuilder, REST APIs, Kafka, RabbitMQ, Microservices Architecture
- **Security:** JWT Authorization, Token-based Authentication
- **Data Structures & Algorithms:** Sorting, Searching, Arrays, Queues, Stacks, Linked Lists, Map
- **IDEs & Development Environments:** Eclipse, Visual Studio, VS Code, Jupyter Notebook, Android Studio
- **Operating Systems:** Windows, Ubuntu Linux

## PROFESSIONAL EXPERIENCE

**Applied Electromagnetics (AEM)**                                      Noida, India
**Software Development Engineer**                                Nov 2023 – Present

- **VCCS (Voice Communication and Control System):** Currently working on enhancing a Java-based desktop application for VoIP communication. Responsible for developing new features, implementing additional requirements, and improving call management functionalities including VoIP, SIP integration, call prioritization, and recording.
  *Tech Stack:* Java, Advanced Java, PostgreSQL, Hibernate, File Handling, JavaFX, SceneBuilder, Asterisk Server, Ubuntu OS, VoIP & SIP, RESTful APIs, Multithreading, Eclipse IDE.
- **RDPMS (Remote Diagnostics and Predictive Maintenance System):** Created a web app for monitoring sensor data from 6,000 stations with features like device onboarding, filters, AI-driven maintenance feeds, and role-based authentication.
  *Tech Stack:* Java, Spring Boot, Hibernate, PostgreSQL, JSP, AJAX, jQuery, RESTful API, Spring Security, Role-Based Authentication & Authorization, Postman, HTML, CSS, JS, Eclipse IDE.
- **IPIS (Integrated Passenger Information System):** Enhanced the existing platform by integrating a disaster alert system and improving the user interface (UI).
  *Tech Stack:* C#, .NET, SQL Server, REST APIs, Multithreading.
- **DVR (Digital Voice Recorder):** Currently developing a desktop app to record audio from 8 channels, store metadata in a database, and enable sorting, merging, and editing of audio.
  *Tech Stack:* JavaFX, SQL Server, Multithreading, CRC Error Detection.
- **SCU (Signal Conditioning Unit):** Developed two Windows-based applications — **SCU**, which displays real-time data from 12 sensors via a selected COM port, and **TASCU**, which supports testing and analysis of 35 system modules, including firmware updates and GPIO configurations.
  *Tech Stack:* C#, .NET, SQL Server, Visual Studio, Multithreading, CRC Error Detection

- **Water Level Indicator:** Built an Android application to display train junctions, coaches data, and water levels collected via MQTT protocol.
  *Tech Stack:* Android Studio, Java, MQTT
- **Ground Control Calibration:** Designed an Android application for drone remote joystick calibration. The app receives data through a COM port at different baud rates, monitors system behavior, and sends calibration data for precise joystick control.
  *Tech Stack:* Android Studio, Java, COM Port Communication

**Veri Proc Solutions Pvt. Ltd.**                                                          Noida, India
**Software Developer (Intern)**                                              Jan 2023 – Jun 2023

- Developed a WhatsApp chatbot using Dialogflow and AiSensy for real-time customer interaction.
- Developed a Persona API using OpenAI, integrated into the YogB2B Chrome extension to generate personalized user personas for smarter B2B interactions.
- Performed large-scale data cleaning using Python (Jupyter Notebook, Pandas, NumPy).
- Designed login/registration pages using HTML, CSS, React.js, and Python.

## EDUCATION

- **B.Tech – Computer Engineering**              8.2 CGPA              2019-2023
  J.C. Bose University of Science & Technology, YMCA, Faridabad
- **Class 12 (CBSE)**                                         87.4%                2017-2018
  Tagore Senior Secondary School, Mahendragarh
- **Class 10 (CBSE)**                                         93.1%                2015-2016
  Tagore Senior Secondary School, Mahendragarh

## CERTIFICATIONS & TRAINING

- **Java Full Stack Developer** – JSpider, Gurugram                    *(Offline, Jun-Nov 2023)*
- **Java DSA** – Scaler Academy                                                   *(Online, Aug-Oct 2024)*
- **React.js** – Scaler Academy                                                   *(Online, Nov-Dec 2024)*
- **Machine Learning** – Columbia University                             *(Online, Aug-Ongoing)*
- **HackerRank Profile:** [hackerrank.com/pritisunita6643] **(**Certifications: Software Engineer, Python (Basic), SQL (Advanced), C# (Basic), with 5 stars in Java & SQL

## INTERESTS & EXTRACURRICULARS

- Passion for Emerging Technologies (AI, Cloud, Web Development)
- Volunteering & Community Involvement
- Yoga (State & North Zone Gold Medalist)

## PERSONAL DETAILS

- **Date of Birth:** 10 Nov 2000
- **Languages:** Hindi, English
- **Gender:** Female
- **Native:** Mahendragarh, Haryana,123029
- **Nationality:** Indian
- **Marital Status:** Single