

# Nadeem Aehmad

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## PROFESSIONAL SUMMARY

**Robotics Trainer and Experienced Software Engineer** with 4+ years in full-stack development, specializing in scalable web applications using Python and Django. Skilled in both frontend and backend technologies with a strong grasp of modern frameworks. Also served as an **Assistant Professor** for 2+ years, combining industry expertise with academic mentorship in computer science and software development. Passionate about hands-on learning, agile practices, and innovation through project-based training.

## TECHNICAL SKILLS:

- **Programming Languages:** C, C++, Python
- **Web Development:** Django, Flask, HTML, CSS, php
- **Database Technologies:** Postgres, SQL Server, phpMyAdmin
- **Data Science:** Machine Learning, Deep Learning, NLP
- **Cloud Services:** AWS Cloud Services

## TOOLS AND SOFTWARE:

- **Project Management & Collaboration:** JIRA
- **Version Control:** GitHub
- **Development Environments:** VS Code
- **Data Analysis:** Excel
- **Web Technology:** Web Technologies

## **PROFESSIONAL EXPERIENCE**

### **Robotics Trainer and Lab Manager**

**Makers' Muse | Alok Senior Secondary School, Hiran Magri, Udaipur**

***04/2025 – 12/2025***

- Conduct engaging robotics and electronics classes for students, focusing on STEM concepts through hands-on learning.
- Taught fundamentals of circuits, sensors, Arduino, motors, LEDs, and microcontroller programming using C/C++ and Python.
- Designed and implemented project-based learning modules for classes 6 to 10, including simple robots, obstacle avoiders, and line-followers.
- Encouraged innovation and teamwork by guiding students in competitions, exhibitions, and skill-building challenges.

### **Web Developer & Assistant Professor of Computer Science**

**RNT Group & Vivekanand Group of Colleges | RNT PG College, Kapasan**

***August 2023 – March 2025***

- Managed cPanel and web hosting for over 15 college websites, ensuring optimal uptime, security, and performance.
- Designed and maintained responsive, user-friendly websites utilizing HTML, CSS, JavaScript, PHP, and MySQL.
- Collaborated with cross-functional teams to implement CMS integrations and resolve technical issues efficiently.
- Taught undergraduate Computer Science courses, emphasizing practical skills and project-based learning.
- Developed course materials aligned with current technological trends to enhance student learning outcomes.
- Mentored students in academic and career development, fostering a hands-on approach to software development.

**Software Trainee, KPIT Technologies (Work from Home) *October 2021 – July 2023***

Worked with Python and Django to develop and maintain applications, and used JIRA for project management and tracking.

## **EDUCATION**

### **Post Graduate Diploma in Artificial Intelligence (PGDAI) - CDAC Pune**

**Bachelor of Technology** (Information Technology) – Maharana Pratap University of Agriculture and Technology, Udaipur, **August 2016 - December 2020**

## **CERTIFICATIONS**

- Post Graduation Diploma in Artificial Intelligence from CDAC - Pune
- Foundations of Web Development: CSS, Bootstrap, JS, React - Udemy
- MySQL for Beginners: A Complete Training for beginners - Udemy

## **PROJECTS**

### **Student Exam Performance Prediction using Machine Learning | [Link](#)**

**Technologies Used:** Python, Django, Machine Learning, HTML, CSS - Developed a web-based application using Django that integrates a machine learning model for predicting student exam performance. This project demonstrates proficiency in combining web development with data science, utilizing Python and Django for the backend, and HTML/CSS for the user interface.

### **Domain-Specific Chatbot using Gemini API |**

- Developed a custom chatbot leveraging the Gemini API, designed to respond exclusively to questions related to C programming, DBMS, and IT.
- Integrated prompt engineering techniques to fine-tune model responses and ensure subject-specific accuracy.
- Implemented a clean front-end interface with input validation and used Python/JavaScript (as applicable) to handle API calls and response parsing.