

# SUJEET KUMAR BIND

AI/ML Engineer skilled in developing GenAI solutions, intelligent chatbots, ML-driven applications, REST APIs, and automation pipelines — leveraging data crawling, data analysis, and cloud technologies to build scalable, high-performance AI systems.

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## WORK EXPERIENCE

### **EMINENCE TECHNOLOGY, Mohali — SENIOR AI/ML DEVELOPER**

APRIL 2025 - PRESENT

Working as AI Engineer using machine learning, deep learning, NLP, and computer vision. Python, TensorFlow, GEN AI , MCP Server , AWS Services , Jenkins and elevenlabs. data preprocessing, algorithm optimization, and delivering AI-driven solutions to complex business challenges.

#### **PROJECTS:-**

##### **(1) ITSBOT AI: Enterprise AI Chatbot & Voicebot Platform**

ITSBOT is an AI-powered chatbot and voicebot platform built for enterprise communication. It leverages ChatGPT, Grok, and Ollama models, with a FastAPI backend, WebSocket for real-time chat, and RabbitMQ for scalable processing. The system supports document, image, and audio extraction and includes website crawling to automatically build a knowledge base. Data is embedded and stored in ChromaDB, Pinecone, and MongoDB, enabling semantic search and RAG responses. Deployed on AWS, ITSBOT delivers intelligent, context-aware conversations across text and voice channels, making it a robust AI automation solution for businesses.

##### **(2) TRAVELBEAST: AI Travel Booking Chatbot**

TRAVELBEAST is an AI-driven travel assistant chatbot designed to automate bookings for cars, hotels, flights, and more. It features intent classification to accurately understand user queries and integrates AWS Bedrock with Lambda for scalable inference. A multithreaded web crawling engine collects nested-level travel data, which is embedded and stored in Pinecone vector database for semantic retrieval. Using RAG and AI reasoning, TRAVELBEAST provides personalized travel recommendations and booking automation. The solution ensures high-performance travel planning through intelligent, real-time conversational interactions.

### **Manupatra Information Solutions Private Limited, NOIDA— SOFTWARE DEVELOPER**

APRIL 2024 - APRIL 2025

Working on Web development and python scripts creating backend part of Websites. Using Django Framework, python,RAG ,LLM Models, Rest API, Sql Server , Mongo db ,Web scraping, selenium, Generative AI ,AWS Services etc.

#### **PROJECTS:-**

##### **(1) Prune – Global eSIM & Connectivity Platform**

## SKILLS

#### **Programming Languages:**

Python, JAVASCRIPT

#### **Frameworks/Web:** DJANGO,

FLASK, FAST API, REACT

#### **AI/ML/Data:** LANGCHAIN,

LANGGRAPH, NLP, MACHINE

LEARNING, GEN AI, LLM,

DEEP LEARNING , COMPUTER

VISION

#### **Databases:** VECTOR

DATABASE, MONGODB,

MYSQL, POSTGRESQL, SQL

SERVER

#### **DevOps/Cloud:** AWS SERVICES,

GIT, DOCKER, CICD PIPELINES

#### **Other Tech:** MCP SERVER,

WEB SCRAPING, WEB

SOCKET, RABBITMQ

## TRAINING & CERTIFICATIONS

#### **Python Training**

Tech Explica, Delhi

- Completed professional training in **Python programming**, covering core concepts, data handling, and project-based learning.

#### **Web Developer Internship**

Tech Stack: Django, FastAPI, Redis, Celery, RAG Chatbot (LLM + Vector DB), Razorpay API, Face Recognition (OpenCV), PostgreSQL/MySQL, REST APIs  
Developed a global eSIM and connectivity platform enabling seamless eSIM activation, physical SIM delivery, and AI-powered chatbot support.  
Integrated RAG chatbot using LLM and Vector Database for intelligent customer interaction and automated query resolution.  
Implemented smart billing automation, payment gateway integration (Razorpay), and real-time face recognition for user verification.

### (2) MyKase – Legal Practice Management System

Tech Stack: FastAPI, SQL Server, MongoDB, OLAMA Model, NLP  
Created REST APIs using FastAPI to extract and validate court case updates and store structured data in SQL Server and MongoDB.  
Developed and trained an OLAMA-based text recognition model for intelligent document parsing and legal data extraction.  
Automated end-to-end case update management, enabling smart search and faster document handling for legal professionals.

## Intrics Solutions Private Limited , NOIDA— SOFTWARE ENGINEER

DECEMBER 2022 - MARCH 2024

Working as an Associate Software Engineer do automate Web Scraping Script to extract data and analysis on that data and store into database and working on Web API using technology like Python language , Django , pandas, NumPy, SQL Server, Statistics, Matplotlib , machine learning algorithms etc.

### PROJECTS:-

#### (1) Web Scraper Automation Tool Application

Developed an automated scraping pipeline to extract, validate, clean, and structure data from multiple websites.  
Implemented robust data-cleaning and validation rules (regex, null/missing checks, type checks) and hierarchical organization of extracted records.  
Built end-to-end flow to persist cleaned data into MySQL and export to Excel.  
Technologies: Python, Django, React, BeautifulSoup, Selenium, Pandas, NumPy, Regex, Power BI, MySQL Server.

#### (2) Stock Market Application

Built REST APIs and a web application to fetch, process, and display stock market data with scheduled background tasks.  
Implemented scraping and API polling, periodic ETL with Celery and crontab, admin panel for data management, and deployment to AWS.  
Created data ingestion using Requests / BeautifulSoup, stored in MySQL, and provided visualization and monitoring in the admin UI.  
Technologies: Django, Django REST Framework, Celery, Requests, BeautifulSoup, MySQL, Visual Studio, AWS, crontab.

#### (3) Recommendation System

Developed a web-based recommendation engine using classical ML algorithms and deployed it as a Flask app.  
Performed exploratory data analysis, feature engineering, model training and evaluation; integrated model outputs into the web UI for personalized recommendations.  
Technologies: Flask, scikit-learn / ML algorithms, Pandas, Matplotlib, Seaborn, SQL Server, Statistics, Jupyter Notebook.

#### (4) E-commerce Website

Sunrises Data and IT Solutions —  
January 2021 to May 2021

- Worked on **frontend and backend web development**, gaining practical experience with **HTML, CSS, JavaScript, and Django**.
- Contributed to live client projects and optimized UI/UX performance.

### Data Science Master Certification

PWSkills (Physics Wallah) — 6 Months

- Completed a comprehensive certification covering **Machine Learning, Deep Learning, NLP, and Data Visualization**.
- Hands-on projects included model building, data preprocessing, and deployment workflows.

## LANGUAGES

(1) ENGLISH (2) HINDI

Implemented backend services and database models for an e-commerce platform using Django and MySQL.  
Built frontend pages and responsive UI with Bootstrap, HTML, CSS, and jQuery; integrated payment gateway and admin workflows.  
Focused on product/catalog management, user authentication, order workflows, and transaction handling.  
Technologies: Django, MySQL, Bootstrap, jQuery, HTML/CSS, Payment Gateway Integration.

## **Velocis System Private Limited , NOIDA— SOFTWARE ENGINEER**

Working on Web development creating frontend and backend part of Websites. Using Django Framework, python language, Rest API, PostgreSQL, HTML, CSS, Bootstrap, Ajax, JavaScript, React etc.

### **(1) Railway Inspection Management**

Developed the backend using Django, integrating Redis and Celery for real-time response and task management. Implemented an intuitive Admin Panel and used AJAX for dynamic data fetching without page reloads. Designed responsive web interfaces using React, Bootstrap, CSS, and HTML.

### **(2) Rail Kaushal Vikas Yojna**

Built a robust backend with Django, implementing multi-level filtering and hierarchy-based data handling. Used PostgreSQL for database management and React, Bootstrap, HTML, and CSS for frontend development. Focused on dynamic UI behavior and efficient data rendering for large datasets.

### **(3) One Post Social Media**

Developed both frontend and backend using Django REST Framework with React integration. Implemented JWT and Knox for secure user authentication. Created REST APIs utilizing Pandas and NumPy for data handling and analytics. Integrated social media login authentication using API keys and tokens.

## **EDUCATION**

### **RAJ KUMAR GOEL INSTITUTE OF TECHNOLOGY, GHAZIABAD — B-TECH (COMPUTER SCIENCE AND ENGINEERING)**

2016-2020

### **J.S.G.J INTER COLLEGE , GHAZIPUR— INTERMEDIATE**

2014-2015

### **Shanti Niketan High School , PRAYAGRAJ— MATRICULATION**

2010-2011

