

Bhumika Jain

+91 9306184535

i.jainbhumika@gmail.com

github.com/i-Bhumika-Jain

linkedin.com/in/bhumika-jain-0749031ba

Professional Experience

Chi Networks India Pvt. Ltd. - Software Developer

Jun 2025 - Present

- Automated **DNS/rDNS** operations by replacing manual zone-file edits and server coordination with validated **API flows**, **BIND integration**, provisioning queues, and **Python** workers; reduced manual effort by an estimated **80%**.
- Built and optimized **Change Request** workflows for scheduling, recurring changes, reminders, documents, logs, and filters, helping internal teams track infrastructure changes faster.
- Worked on the **MoveVM / VM migration** module for **OpenStack** and **VMware/vCenter**, adding target-host selection, compatibility indicators, migration flows, and datastore visibility.
- Improved admin-platform speed and reliability through **query optimization**, caching, pagination, log analysis, Postman validation, and **CI/CD** deployment debugging.
- Developed **React** admin screens using **Material-UI** and **shadcn/ui** for forms, tables, filters, dashboard views, and frontend-backend workflows.

Brane Enterprises Private Limited - Software Development Intern [Certificate] Sep 2023 - Aug 2024

- Solved HRMS expense-entry delays by building **OCR automation** for receipts, invoices, PDFs, scanned images, forms, and ID documents; reduced manual data entry by **40%** and validated **25** edge cases.
- Integrated receipt scanning, currency conversion, and rule-based expense checks, reducing calculation effort by **70%** and improving rule-based processing efficiency by **30%**.
- Built CRM, sales dashboard, and project-triage features with **React**, Node.js, Material-UI, charts, summaries, and Postman-tested APIs.
- Automated secure data extraction from login-protected websites using **Selenium** and **BeautifulSoup**, followed by data cleaning and storage workflows.

Projects

NeuraChat - Conversational AI Assistant [Project Link]

React, Python, LangChain, Gemini API

- Built a document Q&A/chat application with a React frontend and Python backend, using **LangChain** and **Gemini API** to process user queries and retrieve document context.

OCR System - Text Extraction from Images and PDFs [Project Link]

Python, PaddleOCR, Gradio

- Created a Gradio-based OCR testing tool for images and PDFs, covering **25** edge cases and reducing OCR error rate by **40%** during testing/A/B evaluation.

Technical Skills

Languages: Python, JavaScript, SQL

Backend/Cloud: Django REST Framework, FastAPI, REST API Development, RBAC, TOTP, OpenStack, VMware/vCenter, VM Migration

Databases: SQL Server, PostgreSQL, MySQL, Django ORM, Query Optimization, Caching, Indexing

Frontend: React.js, HTML, CSS, Material-UI, shadcn/ui, React Charts

AI/OCR: PaddleOCR, Gradio, LangChain, Gemini API

Tools: Git, GitHub, Postman, Linux, Jenkins, Playwright, Sentry, CI/CD, Application Logs

Education

Chitkara University, Punjab

2020 - 2024

B.E. in Computer Science and Engineering, CGPA: **9.50/10**