

Nidhi Chaubey

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Passionate about data-driven technologies and intelligent automation, I bring hands-on experience in full-stack development, AI integration, and workflow optimization. With a strong foundation in modern web and backend technologies, I focus on building scalable, user-centric solutions that bridge innovation and efficiency. Currently advancing my expertise in Big Data and Artificial Intelligence to drive impactful, real-world applications.

Experience

Software Engineer | AlphaSquare Labs -- Jul 2023 – September 2025

- Spearheaded the development of intuitive software applications using modern frontend technologies (HTML, CSS, JavaScript, React.js, Bootstrap, jQuery).
- Engineered robust backend solutions with REST APIs, ASP.NET Core, Python, and C#, emphasizing secure and efficient SQL data management.
- Enhanced user workflows through dynamic features like data filtering, tree structures, and progress monitoring.
- Led automation initiatives using Selenium, optimizing process efficiency and accuracy.
- Built an AI-integrated chatbot capable of handling data-specific prompts and executing natural language queries.
- Worked on SAP Business One, focusing on data automation, inventory management, and process optimization to improve operational efficiency.

Teaching Assistant | Coding Ninjas -- Jan 2023 – Sep 2023

- Supported students by providing debugging assistance, resolving project-related queries, and guiding them through complex coding challenges. Contributed to the academic success of students by clarifying concepts and offering personalized feedback on their progress.

Trainee | Verzeo, Bengaluru, Karnataka

Mar 2022 – Apr 2022

- Acquired skills in data retrieval and database management, enhancing my understanding of bioinformatics applications.

Intern | Google Facilitator Program, Remote

Apr 2021 – Jul 2021

- Collaborated on various technical quests and projects, gaining hands-on experience in real-world problem-solving.

Projects

- **Dynamic To-Do List Manager:** Developed a responsive web application using HTML, CSS, and JavaScript to help users manage daily tasks effectively.
- **AI Interview Chatbot:** Developed an AI interview chatbot using Lang Chain, OpenAI, and NLP to generate questions from resumes. Integrated it into an internal ASP.NET MVC tool with a Python backend and HTML/CSS/JS frontend.
- **Classroom Scheduler:** Engineered a user-friendly interface for organizing class schedules, ensuring efficient time management.
- **AI Resume Parsing Tool:** Built a Python-based parser using Transformers (Hugging Face) to extract candidate details (name, email, skills, experience) from resumes. Used NLP pipelines for named entity recognition and structured output formatting.
- **Basic Image Processing Application:** Developed a Python-based tool for basic image processing tasks, featuring a user-friendly interface with the OpenCV and Pillow libraries.
- **Data Analysis Projects:** Conducted **EDA and predictive analysis** on **Kaggle datasets** (Stroke Symptoms, Breast Cancer, Zomato Sales) using **Python, Pandas, NumPy, and visualization tools** to derive actionable insights.

Skills

- **Frontend:** HTML, CSS, JavaScript, Bootstrap
- **Backend:** ASP.NET Core, REST APIs, SQL
- **Languages:** Python, C# /German(A2),English(Professional)
- **Tools & Technologies:** Lang Chain, OpenAI, Hugging Face Transformers, NLP, DSA, Data Management, SDLC, Data Analysis, EDA, Visualization (Matplotlib, Seaborn, Power BI).

Education

M.Sc. Big Data and AI | SRH University of Applied Science Heidelberg | 2025-2027

Areas of Interest

Exploring cutting-edge technologies, solving complex problems, and driving advancements across diverse domains.

Hobbies

Reading, Traveling, Art, Designing, Learning new languages