A Kirti Meghana

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PROFESSIONAL SUMMARY

Aspiring Software Engineer with a strong foundation in full-stack development, database management, cloud computing and machine learning. Skilled in building robust applications using Java and Python along with strong command on data structures and algorithms. Passionate about collaborating with dedicated teams to create efficient and user-friendly solutions.

SKILLS

Languages and Databases: Java, Python, HTML, CSS, Javascript, SQL
Tools and Technologies: Express.js, React.js, Node.js, Bootstrap, REST API, jQuery, Flask, Git, Github, MySQL, Web Design, UI/UX Design, Postman, Linux, AWS Cloud
Concepts: Data Structures and Algorithms, Database and Querying, System Design, Unit and Integration Testing, Machine Learning, Deep Learning, Natural Language Processing
Soft Skills: Adaptability, Leadership, Resilience

EDUCATION

B. Tech (Computer Science Engineering)	Sharda University	CGPA: 8.04	2022 to Present
AISSCE (Class XII), CBSE	Bharatiya Vidya Bhavan's School	Percentage: 93.67%	2022
AISSE (Class X), CBSE	Bharatiya Vidya Bhavan's School	Percentage: 90.00%	2020

MAJOR PROJECTS

DataMorphAI: Legacy Data Extraction and Management Tool | Full Stack with ML | Web app Link Github Link   *Ongoing*
- Built a web application as a team for extracting text from highly degraded and unstructured legacy documents, focusing on digitizing noisy government data - MOSPI archives.
- Built a line detection model by fine tuning detectron2, and trained trOCR with 2000+ custom line wise annotations and further applied SymSpell based post-OCR correction to increase accuracy of extracted text.
- My contribution was primarily towards model building and frontend development.

QueueMate: Smart Queue Management System | Full Stack Web App | Web app Link Github Link   *Nov 2024*
- A web based digital queueing system that reduces wait times across organisations and service centers that notifies customers when their turn is near.
- Built using HTML, CSS, Javascript, MERN stack, REST APIs and Cloud Deployment.
- Integrated a priority queue using min-heap to handle fast-track tokens and dynamic wait-time adjustments.

Marco: Personal Desktop Voice Assistant | Python, Machine Learning, NLP| Github Link   *Apr 2024*
- Developed a voice assistant enabling users to control their system, browse the web, manage media and perform several other tasks in their computer, hands-free.
- Packaged as a CLI tool and modular backend using Python and Flask, allowing seamless integration with REST APIs for extended functionalities.

WORK EXPERIENCE

Training and Internship with LearnNex | Python, Machine Learning   *Oct 2024 to Jan 2025*
- Acquired skills through training in Python, Flask and Machine Learning, gaining hands-on experience in data preprocessing, exploratory analysis, and model development.
- Collaborated on real-world Machine Learning projects, implementing end-to-end predictive pipelines and deploying solutions using Docker containerization for scalable, production-ready environments.

Freelance Backend Developer - Generation Entertainment | Live Website Project for Client   *Jun 2024 to Aug 2024*
- Assisted in developing backend using Node.js, Express.js, JWT, and MongoDB.
- Implemented secure authentication, REST APIs, and database operations for user management.
- Deployed backend APIs using Render and tested endpoints with Postman.

CERTIFICATIONS/COURSES

Link of all Certifications

- Complete Data Science, ML, DL, NLP, Bootcamp - May 2025
- Database Foundations by Oracle Academy - Oct 2024
- Summer Bootcamp on Data Science - Jun 2024
- Java Fundamentals by Oracle Academy - Mar 2024
- The Complete 2023 Web Development Bootcamp - Sept 2023

ACIEVEMENTS AND INTERESTS

Achievements:
- Awarded Best Paper Presentation Award at an IEEE conference for my research paper - 2025
- Received Meritorious Student Award by Honorable Chief Justice of India - 2023
- Received award from IIT-BHU for exceptional contribution in the category of Performing Arts - 2020

Interests:
- Exploring new Technologies and Developer Tools, Public Speaking and Hosting, Indian Classical Dance