

Kangkana Barman

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CAREER OBJECTIVE

Aspiring Data Scientist & Full-Stack Developer with strong skills in ML, AI, and web development. Passionate about building data-driven solutions and scalable applications that enhance decision-making and user experience. Seeking a short-term internship in an innovative industry during June–July 2025 to apply and further develop my technical expertise in a real-world setting.

EDUCATION

B.Tech, Computer Science s Engineering
SRM Institute Of Science And Technology, Kattankulathur Main Campus

2023 - 2027

CGPA: 9.03/10

Senior Secondary (XII), AHSEC
Science

2022

Handique Girls' College

Percentage: 76.40%

Secondary (X), SEBA
Shankardev Vidya Niketan

2020

Percentage: 81.80%

TRAININGS / CERTIFICATIONS

AWS Academy Machine Learning

Mar 2025 - Present

AWS Academy, Virtual

Currently enrolled in the AWS Academy Machine Learning Foundations course, developing expertise in ML concepts, data preprocessing, model training, evaluation, and deployment using AWS tools like SageMaker. Gaining hands-on experience in supervised and unsupervised learning, deep learning, and real-world AI applications.

Data Science & Analytics Internship

Jan 2025 – Apr 2025

Zidio Development

Successfully completed a 3-month internship focused on practical data science and analytics applications. Gained hands-on experience in data collection, preprocessing, visualization, and basic machine learning techniques. Contributed to real-world projects, collaborated with a team, and enhanced problem-solving and analytical thinking.

AWS Academy Data Engineering

Feb 2025 - Mar 2025

AWS Academy, Virtual

The AWS Academy Data Engineering course provided hands-on experience in data collection, storage, processing, and visualization using AWS services like Glue, Redshift, S3, Lambda, and Athena. It covered ETL pipelines, big data analytics, and real-time streaming, helping me design scalable, secure, and efficient cloud-based data solutions.

Data Science

Dec 2024 - Present

IBM (via Coursera), Virtual

The IBM Data Science Methodology course on Coursera taught me the CRISP-DM framework, covering data collection, cleaning, analysis, model building, and deployment. I gained hands-on experience with Python, Pandas, NumPy, and Scikit-Learn, enhancing my ability to extract insights, apply machine learning, and make data-driven decisions effectively.

PROJECTS

Summarizer

Sep 2024

- A web app that records live audio, converts it to text using AI, summarizes content, and allows users to download notes as a PDF.
- Technologies Used: Python, JavaScript, Flask, Speech-to-Text API, Natural Language Processing (NLP), HTML, CSS

Temperature and Humidity Logger

Aug 2024

- IoT-based temperature and humidity monitoring system using an Arduino and DHT11 sensor.
- Technologies Used: C++, Arduino IDE, IoT, Serial Communication

PDF Extraction

Jul 2024 - Aug 2024

- Developed a website for extracting structured data from PDF files and saving it in Excel format. Also includes image extraction from PDFs into Word documents for better document management.
- Technologies Used: Python, Pandas, JavaScript, HTML, CSS

Digitalised Local Shopping

Jan 2025 - Present

- Provides real-time inventory updates, price comparisons, and community-driven reviews.
- Technologies Used: React.js, Python, MySQL

SKILLS

- | | | |
|-------------------|--------------------|----------------|
| • HTML | • CSS | • JavaScript |
| • React | • Node.js | • Data Science |
| • Data Structures | • Data Engineering | |

EXTRA CURRICULAR ACTIVITIES

- IEI Club: Actively participated in technical events, workshops, and hackathons. Assisted in organizing seminars and coding competitions.
- NSS (National Service Scheme): Volunteered for community service activities, led awareness campaigns, and participated in social initiatives like tree plantation drives and education programs.

ADDITIONAL DETAILS

- IBM Data Science Methodology (Coursera, 2024) •Successfully completed a structured methodology for data science projects, including business understanding, data preparation, modeling, evaluation, and deployment.
- AWS Academy Graduate - Data Engineering Badge (AWS Academy, 2025) •Earned a certification in AWS Data Engineering, gaining proficiency in cloud-based data pipelines, storage solutions, and analytics.
- Big Data & AI Masterclass (Deakin University, 2024) •Participated in an in-depth masterclass covering the latest trends and technologies in Big Data and Artificial Intelligence.
- Hack Of Duty Coding Competition (2024) •Successfully cleared the first round of the prestigious coding competition, demonstrating problem-solving skills and algorithmic efficiency.
- Figma, Flutter & MongoDB Certification (App Archives, 2024) •Gained proficiency in UI/UX design using Figma, mobile app development with Flutter, and NoSQL database management with MongoDB.