SRIJANI MUKHOPADHYAY

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Barrackpore , Kolkata - 700123

OBJECTIVE

Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning, with a strong foundation in programming, data analytics, and problem-solving. Passionate about exploring the possibilities of machine learning to build intelligent systems that make a real-world impact. Currently, seeking an opportunity to apply my skills, grow through hands-on experience, and collaborate with innovative teams on cutting-edge projects and technologies.

EDUCATION

- **University of Engineering & Management** — *Aug 2022 - Jul 2026*
  B.Tech CSE (AI & ML) — Kolkata, India
  ◦ CGPA: 9.19 (till 6th semester)

- **Barrackpore Girls' High School** — *2022*
  Higher Secondary Education — Barrackpore, India
  ◦ Percentage: 85.6%

- **Barrackpore Girls' High School** — *2020*
  Secondary Education — Barrackpore , India
  ◦ Percentage: 91 %

EXPERIENCE

- **Exions Tech [🌐]** — *Dec 2024 – Mar 2025*
  Human Resources Intern — Remote
  ◦ Assisted in streamlining HR documentation and maintained accurate records in compliance with internal policies.
  ◦ Contributed to updating HR policies and onboarding resources, enhancing process clarity and team efficiency.
  ◦ Collaborated with cross-functional teams in a remote environment, strengthening communication, time management, and coordination skills.

PROJECTS

- **HR Analytics Dashboard** — *June 2025*
  Tools: [Power BI, DAX, Data Modeling, Visualization Techniques] [⬡]
  ◦ Developed an interactive HR analytics dashboard in Power BI to analyze attrition trends based on age, salary, education, job role, and experience.
  ◦ Implemented calculated measures using DAX to compute attrition rate, average age, salary, and years of experience.
  ◦ Created dynamic filters and slicers for business functions and gender, enabling HR teams to perform targeted retention analysis.
  ◦ Designed visual components including bar charts, donut charts, and line graphs for enhanced decision-making insights.

- **Emotion-Based Music Playback System Using Face & Emotion Detection** — *Mar 2025 - May 2025*
  Tools: [Python, OpenCV, Haar Cascade, Deep Learning, Flask, Pygame] [⬡]
  ◦ Developed a real-time facial emotion recognition system to dynamically trigger music playback based on user mood.
  ◦ Implemented Haar cascade-based face detection and a deep learning emotion classifier, achieving accurate live emotion classification.
  ◦ Created a responsive Flask web interface ensuring smooth user interaction and multi-platform accessibility.
  ◦ Applied affective computing principles to analyze user expressions and personalize multimedia engagement.

- **Smart Ring for Women's Safety** — *Feb 2024 - Jul 2024*
  Tools: [Raspberry Pi, IoT Sensors, Python, Embedded Systems] [⬡]
  ◦ Developed a safety device using Raspberry Pi and IoT components to enable real-time distress signal triggering and monitoring.
  ◦ Implemented hardware-software integration for seamless data transmission and instant alert generation during emergencies.
  ◦ Created a compact and intuitive prototype ensuring practical usability and portability for everyday safety.
  ◦ Applied real-time sensor communication techniques to analyze environmental triggers and user input.

SKILLS

- **Programming Languages:** Python , C , Java
- **Web Technologies:** HTML, CSS, JavaScript, Bootstrap
- **Database Systems:** MySQL, Oracle 10g
- **Data Science & Machine Learning:** TensorFlow, Keras, OpenCV, Pandas, NumPy, Matplotlib, Seaborn
- **Data Analysis Tools:** Power BI
- **Other Tools & Technologies:** GitHub, VS Code, Google Colab, Jupyter Notebook, MS Office, LaTex

LEADERSHIP EXPERIENCE

- **Mentor – ML Canvas 2.0** *Mar 2025*
Innovation and Entrepreneurship Development Centre, UEM Kolkata [⊕]
  ◦ Guided and mentored participants in a poster-making competition focused on Machine Learning themes.
  ◦ Helped foster creativity and innovation among participants while ensuring smooth event coordination.

- **Student Mentor – ALGOTRIX** *Mar 2025*
Innovation and Entrepreneurship Development Centre, UEM Kolkata [⊕]
  ◦ Actively supported and reviewed project submissions in a department-level technical competition.
  ◦ Ensured successful coordination of the event by mentoring project groups.

- **Mentor – HARDWIRED** *Mar 2025*
Innovation and Entrepreneurship Development Centre, UEM Kolkata [⊕]
  ◦ Guided and mentored participants in a poster-making competition focused on Machine Learning themes.
  ◦ Played a pivotal role in organizing and executing the event successfully.

EXTRACURRICULAR ACTIVITIES & ACHIEVEMENTS

- **Community Outreach Activities** *Dec 2022 - Present*
Barrackpore Girls' Alumni Association : Prattay [⊕]
  ◦ Distributed food and clothes to underprivileged children at a brickworks community in suburban Chakdaha.
  ◦ Donated stationery and learning materials to support the education of children at a community-run learning center in suburban Barrackpore.

- **YouTube Content Creator – Recitation & Audio Stories** *Dec 2020 - Present*
Founder [⊕]
  ◦ Launched and manage a literary-themed channel focused on poetry recitations, audio storytelling, and voice-over art.
  ◦ Promotes original and classic literature through expressive voice performance.

- **Event Organizer – "Shabdabaji"** *Jan 2024*
University of Engineering & Management, Kolkata [⊕]
  ◦ Communicated and Organized "Shabdabaji" – a Bengali wordplay and cultural event hosted by RJ Roy
  ◦ Engaged participants in interactive linguistic games and poetic performances to celebrate Bengali heritage.

- **Voice Artist – Radio JU 90.8 MHz** *May 2023 - Jul 2023*
Jadavpur University, Kolkata [⊕]
  ◦ Performed an expressive poetry recitation piece, contributing to the promotion of regional literature through voice modulation and emotion.
  ◦ Narrated an engaging audio story for "Sishutaranga"- A Children's Program conducted by Community Radio JU 90.8 MHz

- **Slam Poetry Winner – Ibtida 2023** *Feb 2023*
Jadavpur University, Kolkata [⊕]
  ◦ Represented University of Engineering & Management at the inter-college cultural fest Ibtida 2023 hosted by Jadavpur University and secured 1st Position in the Slam Poetry competition (LAFZ).

PROFESSIONAL CERTIFICATIONS

- **IBM Data Science Professional Certificate** *ongoing*
- **Microsoft Power BI Data Analyst** *ongoing*
- **Google Project Management** *Nov 2024 - May 2025*
- **Google Cloud Computing Foundations (NPTEL)** *Aug 2024 -Oct 2024*
- **Enhancing Soft Skills and Personality (NPTEL)** *Feb 2023 - Apr 2023*