

ROSHANI KUMARI

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OBJECTIVE

Passionate **Data Scientist** with a strong foundation in **Machine Learning, NLP, and Deep Learning**, seeking an **entry-level position** to apply analytical and engineering skills to solve real-world ML problems and build scalable AI solutions.

EDUCATION

Bachelor of Technology in Computer Science & Engineering

HMR Institute of Technology & Management, GGSIPU, Delhi

CGPA: 8.5 | Expected: September 2024

Diploma in Computer Science

Kasturba Institute of Technology (DSEU), Delhi

CGPA: 8.5 | 2018 – 2021

TECHNICAL SKILLS

Languages: Python, SQL, C++

ML/AI: Machine Learning, Scikit-learn, TensorFlow, Deep Learning, model optimisation, NLP, Supervised Learning, Unsupervised Learning, image Processing.

Frameworks/Tools: Streamlit, Git, Jupyter notebook, Docker.

Data Tools: Pandas, NumPy, SQL, Excel

Cloud/MLOps: Docker (Basic), GitHub Actions

EXPERIENCE

AI Agent Developer Intern | Pulp Strategy (Aug 2025 – Present)

[Letter](#)

- Automated **Technical SEO audits** by developing an **AI Agent** that checks **robots.txt, XML sitemaps, and crawl errors (404/500)** using Python and web automation.
- Built pipelines for **PageSpeed Insights, image optimisation, and schema validation** (FAQ, Product, Breadcrumbs) with integration of **Google APIs**.
- Designed the agent to mimic **human-like SEO audit workflows**, improving detection and reporting efficiency by **30%**.

AI Intern | Edunet SkillBuild (Jun 2023 – Jul 2023)

[Letter](#)

- Developed a **Mental Fitness Tracker** using machine learning to predict and improve mental well-being.
- Utilised **pandas, matplotlib**, and **scikit-learn** for data analysis, visualisation, and model building (Linear Regression & Random Forest).
- Trained models in **Google Colab**, delivering personalised mental health recommendations based on behavioural data.

PROJECTS

Microlearning AI Platform | FastAPI, NLP, Transformers, Supervised Learning

[View Model](#)

- Built a platform using **FastAPI**, **NLP**, and **Hugging Face** to recommend courses from YouTube, Kaggle, and Datacamp based on user queries.
- Used **NLP** to extract relevant keywords without requiring user profiles, deployed via **Streamlit** for real-time interaction.
- Achieved **80–90% accuracy, precision, and recall**, cutting course search time by **50%**

Research Paper Summarizer & Podcast Generator | Python, Transformers, NLP, gTTS, Docker

[View Model](#)

- Built an end-to-end application in **Python** that fetches research papers from **arXiv API**, classifies them using **NLP models**, summarizes content with **Hugging Face Transformers**, and generates audio using **gTTS**.
- Implemented topic classification, abstractive summarization, and **text-to-speech synthesis** pipeline to create podcast-style outputs.
- Containerized with **Docker** and integrated with **Streamlit UI** for one-command deployment and real-time interaction.

ACHIEVEMENTS

- Microsoft Student Learn Ambassador (Beta)** [Certificate of Recognition](#) **(2023 – 2025)**
Recognised for contributions to the Microsoft Learn program, fostering AI & ML learning initiatives.
- Google Cloud Arcade Season** **(Jul 2024 – Dec 2024)**
Earned **cloud certifications** and received **swags & goodies** for completing Google Cloud challenges.
- Internshala Student Partner (ISP) Program** [Certificate of Recognition](#) **(2023 – 2024)**
Promoted internships and online training, expanding student opportunities globally.
- Competitive Coding** Solved 250+ DSA problems on [LeetCode](#) & [GeeksForGeeks](#).