

Radhika Kumar

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EDUCATION

Manipal Institute of Technology, Bengaluru

Bachelor of Technology in Computer Science and Engineering (AI) | CGPA: 7.7

Bengaluru, IN

July 2023 – May 2027

Ryan International School, Sanpada

Higher Secondary School | Percentage: 86%

Navi Mumbai, IN

Aug. 2021 – May 2027

EXPERIENCE

Data Science Intern

Star Union Dai-Ichi Life Insurance

May 2024 – July 2024

Navi Mumbai, IN

- Gained hands-on experience in exploratory data analysis and data visualization using Seaborn and Matplotlib, along with implementing and evaluating machine learning algorithms (e.g., linear regression, decision trees, k-NN, SVM) using Scikit-learn.
- Performed data preprocessing (e.g., handling missing values, feature scaling, encoding) and built predictive models, evaluating them using metrics like accuracy, precision, and confusion matrices

POSITIONS OF RESPONSIBILITY

Founding Chair

IEEE Engineering in Medicine and Biology Society Student Branch Chapter, MITB

March 2025 – Present

Bengaluru, IN

- Founded the IEEE EMBS chapter with the goal of increasing research opportunities for students in biomedical and health-related technologies; actively leading initiatives and collaborations to promote student involvement in research.

Joint Secretary

IEEE Student Branch, MITB

January 2025 – Present

Bengaluru, IN

- Assisted in administrative coordination, organized technical workshops, and led membership drives to boost student engagement and branch outreach.

Junior Placement Committee Member

Placement Committee

March 2025 – Present

Bengaluru, IN

- Selected through a rigorous 3-stage process including Group Discussion, Personal Interview, and Presentation Round; responsible for supporting placement activities and acting as a liaison between students and the placement cell.

PROJECTS

RadTunes | JavaScript, Express, Node.js, React, MySQL, Axios

March 2025 – Present

- Developed a full-stack web application that enables users to sign up, view listening stats, and manage playlists. Implemented features like top songs, artists, and recent plays with a sleek and interactive UI.
- Integrated a MySQL database and built RESTful APIs for seamless data handling.

Brain Cancer Detection using CNN | Python, TensorFlow, Keras, OpenCV

Dec. 2024 – Present

- Built a Convolutional Neural Network (CNN) model to classify brain cancer from MRI images using a publicly available Kaggle dataset. The workflow included data preprocessing, model training, evaluation using performance metrics like accuracy and F1 score, and visualization of model predictions.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS

Frameworks: React, Node.js, Express.js

Developer Tools: Git, Jupyter Notebook, Google Colab, VS Code, PyCharm, Eclipse, MySQL Workbench

Libraries: pandas, NumPy, Matplotlib, Seaborn, Keras, TensorFlow, Sci-kit Learn