REVATHI PRIYA B

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Professional Summary

Motivated and detail-oriented B.Tech graduate (2022–2026) in Artificial Intelligence and Data Science with a strong foundation in Java programming and hands-on knowledge of Java Full Stack Development. Skilled in Core Java, HTML, CSS, Spring Boot, JDBC, Servlets, MySQL, and Object-Oriented Programming. Passionate about building scalable web applications, backend systems, and AI-driven solutions. Seeking an entry-level Software Developer role where I can contribute, learn, and grow professionally.

Technical Skills

Programming Languages: Java, Python, C

Frontend: HTML, CSS

Backend: Core Java, Spring Boot, JDBC, Servlets

Database: MySQL

Libraries/Frameworks: TensorFlow, PyTorch, NumPy, Pandas, Matplotlib

Developer Tools: Git, GitHub, Eclipse, VS Code, Postman

Core Concepts: Object-Oriented Programming (OOP), Collections, Exception Handling, Multithreading

Education

Bachelor of Technology (B.Tech) – Artificial Intelligence and Data Science **2022–2026**
Vel Tech High Tech Dr. Rangarajan Dr. Sakunthala Engineering College, Chennai
CGPA: **8.95/10**

Higher Secondary Certificate (HSC) **2021–2022**
Our Lady's Higher Secondary School, Thiruvottiyur, Chennai
Percentage: **84.5%**

Secondary School Leaving Certificate (SSLC) **2019–2020**
Our Lady's Higher Secondary School, Thiruvottiyur, Chennai
Percentage: **76.2%**

Projects

Personalized Expense Forecasting Using Deep Learning Techniques

- Developed an intelligent expense forecasting system using deep learning techniques.
- Improved forecasting accuracy by implementing the TinyTimeMixer (TTM) model over traditional LSTM models.
- Performed data preprocessing, feature engineering, visualization, model training, and evaluation.
- **Technologies Used:** Python, TensorFlow, PyTorch, Pandas, NumPy, Matplotlib, AWS.

AI-Powered Brain Tumor Segmentation and Treatment Recommendation System

- Developed an AI-powered medical diagnosis system for brain tumor detection and treatment recommendation.
- Implemented Deep Learning using Mask R-CNN to accurately segment brain tumors from MRI and CT scan images.
- Integrated the Google Gemini API to generate personalized treatment recommendations based on the detected tumor.
- Built a user-friendly web application using Flask that enables healthcare professionals to upload medical images and receive AI-generated diagnosis and treatment suggestions.

- **Technologies Used:** Python, Flask, Deep Learning (Mask R-CNN), Google Gemini API.

Internships

Web Development Intern **Jul 2025–Aug 2025**

- Developed responsive and interactive web pages using HTML, CSS, and JavaScript.
- Improved website responsiveness and user interface design.
- Gained practical experience in frontend web development.

Python with AI and Data Science Intern **Feb 2024–Mar 2024**

- Worked on Python programming, data analysis, and machine learning fundamentals.
- Applied AI techniques and Python libraries to analyze real-world datasets.
- Enhanced problem-solving skills through hands-on AI and Data Science projects.

Certifications

- NPTEL – The Joy of Computing Using Python
- NPTEL – Cloud Computing
- 30-Day Master Class in Data Analytics – NoviTech R&D Pvt. Ltd.
- Cybernaut – C++ Programming (97%)

Soft Skills

- Problem Solving
- Analytical Thinking
- Communication
- Team Collaboration
- Adaptability
- Fast Learner
- Time Management

Languages

- English – Professional Proficiency
- Tamil – Native
- Hindi – Intermediate