ADITI P ACHARYA

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EDUCATION

Bachelor's of Technology in Computer Science
PES University, Bangalore | Sept 2022 - Present
CGPA: 8.12 (as of 6th semester)

Pre-University Course (PUC)
RV PU College, Bangalore | 2020- 2022
Percentage: 97.67%

WORK EXPERIENCE

Software Engineering Intern, Mphasis **May 2025- July 2025**

- Developed a full-stack, AI-powered Resume Classifier Web App using React, Java Spring Boot, and Python to automate resume screening against job descriptions with customizable strictness levels.
- Integrated GPT-3.5-Turbo via Azure OpenAI to evaluate and score resumes, returning structured JSON responses containing relevance scores and candidate insights.
- Designed scalable REST API architecture for modular interaction between frontend, backend, and Python services; enabled parsing of resumes in multiple formats (PDF, DOCX, HTML).
- Implemented an efficient multi-format resume parsing pipeline using Java libraries and Microsoft's markitdown, dynamically selecting and comparing text sources for optimal token input to the LLM.
- Used PostgreSQL for persistent storage of job and resume data and enabled Excel export of ranked candidates, improving data accessibility and workflow efficiency for HR teams.

Summer Intern, Mphasis **May 2024- July 2024**

- Developed proof-of-concept for Resume-Classifier Application called Smart-CV-Analyzer
- Researched core ML and NLP techniques using HuggingFace Transformers and SpaCy
- Built a prototype Q&A and resume screening system using prompt engineering and LLaMA 3 APIs

TECHNICAL PROJECTS

Event Management System

Python, MySQL, Tkinter

- Designed a GUI-based system with advanced database logic (stored procedures, triggers)
- Enabled real-time event tracking and management

Fitness Streaming System

Apache Kafka, Apache Spark, Python, Batch Processing, Stream Processing

- Simulated real-time fitness data pipelines with Kafka and Spark
- Analyzed user metrics using a combination of stream processing and batch processing to extract insights from both real-time and historical data.

ADDITIONAL INFORMATION

- **Languages:** Python, Java, JavaScript, HTML
- **Framework and Tools:** React, Spring Boot, MySQL
- **Hackathons & Workshops:** Top 3 Finalist, "CodeStorm" National Hackathon – Built AI-based phishing site detection; FOSS 101 (GDSC), Practical ML (CIE, PESU) Workshops
- **Additional Activities:** Junior-graded in Violin & Vocal Carnatic Music