Nidadavolu Sri Poorna Priyanka

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Education

K L University CGPA – 9.29 **2019 – 2023**
Bachelor of Technology in Computer Science and Engineering *Vijayawada, Andhra Pradesh*

Relevant Coursework

- Data Science
- Database Management Systems
- Analysis and Design of Algorithms
- Data Visualization Techniques
- Data Warehousing and Mining
- Big Data Analysis

Experience

IBM **Jun 2023 – Present**
Software Developer *Bangalore, Karnataka*
- Managed multiple tasks, including API calls, integrating tools into the base code, formatting over 5,000 lines of code, and adding 3+ new features.
- Led a comprehensive rework of the validation framework, resulting in a nearly 90% reduction in validation time, which enhanced overall system efficiency and productivity.
- Worked on a multi-cloud provisioner using LLMs, Python, and IBM Cloud, reducing cloud resource costs by 40%.

IBM **Jan 2023 – Jun 2023**
Software Developer Intern *Bangalore, Karnataka*
- Developed a django repo using python and javascript and integrated it to Spring boot, Java and Postgres.
- Gained hands-on experience with 6+ technologies, including Spring Boot, PostgreSQL, Django, JavaScript, Python.

Samsung Prism **Jun 2021 – Mar 2022**
Backend Developer Intern *Virtual*
- Developed a multilingual dataset of 10000+ names with phonetic representations to highlight similarities across different spellings.
- Utilized Python for data processing and phoneme generation, improving speech recognition accuracy by 10%.
- Improving speech recognition and phonetic matching through a valuable dataset and effective phoneme validation techniques.

AICTE Virtual Internship **Oct 2021 – Dec 2021**
Cloud Intern *Virtual*
- Completed a cloud computing course at AICTE, applying AWS knowledge to host a website on Amazon EC2.
- Utilized AWS to configure a Linux-based EC2 instance with Apache HTTP Server for optimized static content delivery.

Projects

TAKE A TRIP | *Django, Python, mysql database, HTML, CSS* **May 2021**
- It is a platform for simplified travel planning with curated suggestions and connections to travel agents.
- Built with Django, Python, MySQL, and HTML/CSS for backend management, data storage, and a responsive UI.
- Named one of the top projects in a course of 300+ students for its innovative travel planning approach.

Customer Response Analysis in Direct Marketing Campaigns | *Python, Tableau* **Nov 2021**
- Analyzed 40,000+ direct marketing campaign records from a Portuguese bank to identify customer response trends for term deposits.
- Employed Python for data analysis and Tableau for visualizing client demographics and subscription likelihood.
- Discovered key customer behavior patterns, leading to a 12% improvement in marketing strategies.
- Offered data-driven suggestions to optimize future marketing efforts based on analysis insights.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, MYSQL, R
Developer Tools: VS Code, Eclipse, Tableau, GitHub
Technologies/Frameworks: Django, Spring Boot, AWS

Achievements

Star of the Month Award (Nov 2023): Recognized by IBM for exceptional performance and significant contributions to the team.
People's Choice Award: Honored for a project at IBM that received positive feedback from peers, reflecting my ability to create impactful work.
Codehers Coding Challenge (Top 30 in India, 2022) : Achieved a top 30 ranking in this competitive coding challenge, showcasing my coding skills and problem-solving abilities.