Priyanka Nidadavolu

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Software Developer | Data Science Enthusiast

Software engineer with expertise in data science, Python, and full-stack development. Delivered impactful solutions, reducing validation times by 90% and optimizing cloud costs by 40%. Experienced in AI advancements, machine learning, and data analysis to drive business outcomes.

Education

Bachelor of Technology in Computer Science, K L University   Jun 2019 – May 2023

- GPA: 9.29/10.0
- Specialization in Data Science and Big Data Analytics
- **Coursework:** Data Science, Database Management Systems, Analysis and Design of Algorithms, Data Visualization Techniques, Data Warehousing and Mining, Big Data Analysis, Java Full Stack Development, Python Full Stack Development

Highlights: 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.

Experience

IBM   Bangalore, India
Software Developer   Jun 2023 – Present

- Reworked validation framework, reducing validation time by nearly 90%.
- Developed a multi-cloud provisioner using LLMs outside of my primary work project, resulting in a 40% reduction in cloud resource management costs.
- Contributed to WatsonX AI improvement through prompt generation.
- Automated compliance checks using Django, Python, and Spring Boot, improving operational efficiency.
- Managed API integration and enhanced features in codebases exceeding 5,000 lines.

  Skills: Java, Python, Spring Boot, Large Language Models (LLM), JavaScript, Django, IBM Cloud, PostgreSQL, API Development

  Highlights:

- Star of the Month Award (Nov 2023): Recognized by IBM for exceptional performance and significant contributions.
- People's Choice Award: Honored for a project at IBM that received positive feedback from peers, reflecting my ability to create impactful work.

IBM   Bangalore, India
Software Developer Intern   Jan 2023 – Jun 2023

- Developed a Django repository using Python and JavaScript.
- Integrated the Django repository with Spring Boot, Java, and PostgreSQL for enhanced functionality.

  Skills: Java, Python, Spring Boot, JavaScript, Django, PostgreSQL

Samsung Prism   Remote
Software Developer Intern   Jun 2021 – Mar 2022

- Developed a multilingual dataset of 10,000+ names with phonetic representations to highlight similarities across different spellings.

- Utilized Python for data processing and phoneme generation, improving speech recognition accuracy by 10%.
- Improved speech recognition and phonetic matching through a robust dataset and effective phoneme validation techniques.

  Skills: Python, Speech Processing

AICTE Internship Remote

Cloud Intern Oct 2021 – Dec 2021

- Completed a cloud computing course at AICTE and applied AWS expertise to host a website on Amazon EC2.
- Configured a Linux-based EC2 instance with Apache HTTP Server for efficient static content delivery using AWS.

  Skills: AWS Cloud

Projects

Eco Enterpreneurship GitHub link ↗

- The application provides tailored suggestions for developing sustainable entrepreneurship ideas and helps users assess the environmental impact of their projects, offering insights into their sustainability.
- Users can contribute and explore eco-friendly initiatives, donate to social causes, and promote sustainable projects, fostering a community dedicated to environmental responsibility and supporting green entrepreneurship.

  Skills: Eclipse, MySQL, Spring Boot, AWS cloud, HTML, Java, Amazon Web Services (AWS), JavaServer Pages (JSP)

Amazon Web Services Project GitHub link ↗

- Launch a Linux-based EC2 instance, configure security settings for HTTP and SSH access, connect via SSH, and install the Apache HTTP Server (HTTPD).
- Upload the static website files, start the HTTPD service, ensure it runs at boot, verify the site's accessibility, and implement monitoring to maintain server performance and security.

  Skills: Amazon Web Services (AWS)

Customer Response Analysis in Direct Marketing Campaigns GitHub link ↗

- Analyzed direct marketing campaign data from a Portuguese bank using Python and Tableau, identifying customer response trends that improved marketing strategies by 12%. The objective was to visualize and analyze phone-based campaign data to determine if customers subscribed to a bank term deposit.
- Utilized Python (Matplotlib, Seaborn) for data visualization and Tableau to create interactive dashboards for deeper insights, enabling more effective analysis and decision-making in future marketing efforts.

  Skills: Python, Tableau

GitHub link ↗

Take A Trip

- Create a travel planning platform that offers curated travel suggestions and connects users with travel agents.
- Streamline the planning process with efficient backend management, secure data storage, and a responsive, personalized user interface.

  Skills: Python, MySQL, HTML, Django

GitHub link ↗

Online Survey System

- Developed an Online Survey System for creating, distributing, and analyzing surveys with secure data management and a user-friendly interface.
- Features modules for user interaction, template selection, form creation, sharing, and response collection, offering a simpler alternative to existing survey platforms. creation, form distribution, and response collection.

  Skills: JavaServer Pages (JSP), Servlets, SQL, Java

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, MYSQL, R

Technologies/Frameworks: Django, Spring Boot, AWS

Developer Tools: VS Code, Eclipse, Tableau, GitHub