

PRIYANKA NIDADAVOLU

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priyanka-nidadavolu.github.io/portfolio/

Experience

- IBM**

Software Developer

Jun 2023 – July 2025
Bangalore, Karnataka

 - Led development tasks, integrating APIs and tools, optimizing code, and delivering 3+ production features.
 - Reworked validation framework, reducing validation time by nearly 90%.
 - Developed and deployed a data compression strategy, achieving a 40% reduction in storage usage.
 - Integrated automated code quality checks into the CI/CD pipeline, enhancing consistency, maintainability, and supporting basic security review practices.
 - Enhanced and updated Swagger documentation in response to customer feedback, improving API clarity and usability.
 - Built a multi-cloud provisioner MVP as part of a team outside my primary work responsibilities, using LLMs, Python, and IBM Cloud, reducing cloud resource costs by 40%.
- IBM**

Software Developer Intern

Jan 2023 – Jun 2023
Bangalore, Karnataka

 - Developed a Django repository using Python and JavaScript, integrated it with Spring Boot, Java, and PostgreSQL, contributing to automation scripts and API prototyping while gaining hands-on experience with 6+ technologies.
- Samsung Prism**

Backend Developer Intern

Jun 2021 – Mar 2022
Virtual

 - Developed a multilingual dataset of 10,000+ names with phonetic representations, improving speech recognition accuracy by 10%.
- AICTE Virtual Internship**

Cloud Intern

Oct 2021 – Dec 2021
Virtual

 - Applied AWS knowledge to host a website on Amazon EC2 and configured Apache HTTP Server for optimized content delivery.

Education

- University of California, San Diego**

Master of Science in Data Science

Sept 2025 – Present
San Diego, California
- K L University CGPA – 9.29**

Bachelor of Technology in Computer Science and Engineering

2019 – 2023
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

Projects

- TAKE A TRIP | Django, Python, MySQL database, HTML, CSS**

May 2021

 - Platform for simplified travel planning, offering curated suggestions and agent connections.
 - Implemented curated travel suggestions based on user preferences and engagement.
- Customer Response Analysis in Direct Marketing Campaigns | Python, Tableau**

Nov 2021

 - Analyzed 40,000+ records to identify trends in customer responses for term deposits.
 - Identified actionable patterns in customer behavior and built interactive Python and Tableau dashboards to support BI tool usage and data-driven decisions.

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, MySQL, R, YAML
Developer Tools: VS Code, Eclipse, Tableau, GitHub, Jupyter, Swagger, SonarQube, CI/CD
Technologies/Frameworks: Django, Spring Boot, AWS, NumPy/Pandas, Matplotlib, Big Data, Quartz Jobs, REST APIs

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.