Priyavrat Misra

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Skills

Backend : Java, Golang, SQL, Spring Boot, Spring Data (JPA & MongoDB), Apache Kafka, The OpenAPI Specification
Databases & Caching : Oracle Database, MongoDB, Redis, Hazelcast
Frontend : JavaScript, TypeScript, Angular, RxJS, HTML, CSS, WCAG 2.2, The WAI-ARIA Specification
DevOps & Tools : Git, Apache Maven, Docker, Kubernetes, WSL, Splunk, Liquibase, Vim, cURL, Markdown, YAML

Experience

Automatic Data Processing, Inc. (ADP)   Hyderabad, Telangana
Senior Software Engineer   *Sep 2025 – Present*

- Architected and developed RESTful APIs for a strategic organization-wide data unification initiative, surfacing existing client data to accelerate cross-selling. Built the accompanying user interfaces, enabling data reuse for new product adoption and drastically reducing data collection and onboarding time.

Software Engineer   *Jan 2023 – Aug 2025*

- Took individual ownership to enhance ADP SmartCompliance for parallel onboarding with ADP HCM systems (Workforce Now, Lyric, Vantage, and Enterprise), wherein implemented efficient, asynchronous webhooks and RESTful APIs to automate data exchange and client information population, reducing client onboarding time by over 30%.
- Contributed to streamlining the migration process of 76,850 ADP Workforce Now clients from Wage Garnishment Processing Service to Comprehensive Service, cutting migration timelines by over 85%, from 16 weeks to under 2 weeks.
- Developed user interfaces for ADP SmartCompliance, ensuring strict adherence to WCAG 2.2 AA and the WAI-ARIA specification.

Indian Institute of Science Education and Research (IISER)   Brahmapur, Odisha
Intern   *Feb 2020 – Mar 2020*

- Enhanced the user interface of www.iiserbpr.ac.in, improving usability and visual design for a seamless experience.
- Collaborated with senior engineers and participated in educational sessions, gaining hands-on experience with industry-standard tools and technologies.

Education

Parala Maharaja Engineering College (affiliated to Biju Patnaik University of Technology)   Brahmapur, Odisha
Bachelor of Technology in Computer Science and Engineering   *Aug 2017 – Jul 2021*

Projects

most-replayed	Interactive blog on YouTube's "Most Replayed"; featured on Hacker News front page.	[Article] [HN Discussion]
priyavr.at	Personal portfolio and blog with a perfect Lighthouse performance score of 100.	[Site] [Code]
poijo	Java library with a fluent, annotation-driven API for working with Excel spreadsheets.	[Code]
mish	Lightweight Linux shell implemented in C with basic command execution.	[Demo] [Code]
amaze	Visually appealing maze generator built with C++ and SFML.	[Code]
computime	Telegram bot that estimates YouTube video duration at custom playback speeds.	[Demo] [Code]
xrays-and-gradcam	CNN based X-ray classifier for COVID-19 and other inflammatory lung diseases.	[Paper] [Code]
image-colorizer	Convolutional Autoencoder model with residual networks to colorize grayscale images.	[Code]
scifi-lorem	Character-level RNN for generating synthetic science fiction text samples.	[Code]

Awards & Activities

- Secured third spot in Hacktoberfest DigitalOcean Gradient AI Hackathon, Hyderabad. (2025)
- Secured third place by cycling 105 KM in *#ADPIndiaTurns25* challenge ride (2024).
- Winner, ADP Global Product and Technology (GPT) Connect Artwork Competition (2023).
- Winner, ADP SmartCompliance Solutions Best Ad Experience Contest (2023).
- Recipient, Udacity Deep Learning Nanodegree Scholarship (2020), awarded to top 5% performers among 15,000 participants.
- Gold Medalist, Quiz organized by Inspire Science Camp, Department of Science and Technology, Government of India (2016).
- Silver Medalist, National Science Olympiad 2014-15, School-level.
- Gold Medalist, National Science Olympiad 2013-14, School-level and City-level.