Rimjhim Jain

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🎓 EDUCATION

University of North Carolina at Charlotte, North Carolina, USA, *Master's in Computer Science*   Aug 2022 – present
Courses: Big Data Analytics, Algorithms and Data Structures, Software System Design and   GPA (4.0/4.0)
Implementation, Intelligent Systems, Database Systems, Knowledge Discovery in Databases,
Computer Communication and Networks, Cloud Computing for Data Analytics

Bharati Vidyapeeth's College of Engineering, New Delhi, India   Aug 2018 – Jun 2022
Bachelor of Technology in Information Technology   CGPA (9.1/10.0)

🧠 TECHNICAL SKILLS

- Languages and Databases: Java, Python, JavaScript, GoLang, C++, MongoDB, MySQL
- Web Technologies: HTML5, CSS, ReactJS, NodeJS, jQuery, JSON, Bootstrap, RESTful Web Services, API
- Frameworks: Spring, Hibernate, Django, Flask, ExpressJS
- Cloud and Deployment: Amazon Web Services, Google Cloud Platform, Docker, Firebase, Jenkins, Kubernetes, Heroku
- Others: Linux, Windows, macOS, Visual Studio Code, IntelliJ, Eclipse, PyCharm, GitHub, Jira

💼 PROFESSIONAL EXPERIENCE

HERE Technologies, *Data Engineer Intern*   May 2023 – present
                    Chicago, United States
- Developed Python scripts to fetch AWS cost and usage data for cost analysis and decision-making, which decreased overall AWS expenditure by 15%, automated data retrieval and performed Data Migration from AWS to SQL Server.
- Implemented AWS Lambda functions for serverless architecture-based, efficient and scalable event-driven applications, triggered with every updation in data.
- Managed AWS IAM policies and roles to ensure secure access to AWS resources and compliance.
- Implemented AWS Glue for seamless data integration and transformation for ETL tasks.

University of North Carolina at Charlotte, *Graduate Instructional Assistant*   Jan 2023 – present
                    Charlotte, United States
- Assisted the professor in curating and developing comprehensive course materials, exam papers, and specifications for "Software System Design and Implementation" coursework.
- Conducted meticulous assignment grading and projects across diverse programming languages and proficiently proctored examinations for about 100+ students.

Newgen Software, *Software Engineer Intern*   Feb 2022 – Jun 2022
                    Noida, India
- Worked on Newgen's cloud-based software-IBPS, ECM, ERP, and BPM - for project management.
- Developed Java Server pages and handled Backend Data using SQL.

TecoreLabs, *Software Engineer Intern*   Apr 2020 – Jan 2022
                    Bikaner, India
- Created user interfaces with ReactJS, HTML, CSS, and JavaScript, integrating Java features.

📁 PROJECTS

Real Time Pose Estimation, *Python | Machine Learning | WebRTC*
- Developed a real-time pose estimation project using Python, leveraging WebRTC for direct webcam stream access in browsers.
- Integrated the Mediapipe Holistic Model to accurately detect and track body movements, including facial landmarks, and pose estimation, in real-time.

Library Management System, *GoLang | JavaScript | HTML | CSS*
- Developed a dynamic web application to facilitate library room availability checks and bookings with added functionalities like secure authentication mechanisms and backend database services for data storage and streamlining the management process.

Price Prediction Model for Car Sales, *Python | AWS | Machine Learning*
- Built car price prediction ML model on AWS SageMaker, utilizing Kaggle dataset, including key factors like fuel type, body type, and price range, managed data with AWS Athena, AWS Glue and AWS Crawler and presented the results using AWS QuickSight.

Driver Drowsiness Detection using Adaptive Eye Characteristic Ratio, *Jupyter Notebook | Python | Machine Learning*
- Implemented a driver drowsy detection model using Eye Facet Ratio Feature with Dlib, OpenCV, and Sklearn packages. Achieved an accuracy of 90.3% using Random Forest, after comparing multiple ML algorithms.

🏅 AWARDS AND CERTIFICATIONS

AWS Academy Graduate Certificates
- Certified for completing AWS Academy Cloud Foundations course.
- Received Certification for completing AWS Academy Machine Learning Foundations.
- Awarded certification for completing AWS Academy Data Analytics course.