LENIN KUMAR GORLE

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EDUCATION

Master of Science, Computer Engineering | Northeastern University | Boston, MA (3.7/4.0) **Expected May 2025**
Relevant coursework: Data Science Engineering, Object Oriented Programming, Data Structures and Algorithms
B. Tech in Electronics Engineering | I.I.T, B.H.U | Varanasi, India **June 2018**
Relevant coursework: Computer Communication Network, Integrated Circuits, Big Data Analytics, Digital Logic Design

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TECHNICAL SKILLS

Programming Languages: Python, C, C++, Shell scripting, Java, JavaScript, Bash, SQL, React
Frameworks: Django, Express, Flask, TensorFlow, Express, Node, JUnit, Selenium
Machine Learning: Predictive Models, Data Visualisation (Seaborn, Plotly), Neural Network, Statistical modeling, Analysis
Machine Learning Libraries: Numpy, Pandas, Scipy, Scikit learn, TensorFlow, Optimization
Tools: Tableau, Eclipse, Visual Studio Code, Jupiter Notebook, Putty, GitHub, Git, Jira, SVN, IBM Cognos
Database: MySQL, Oracle, PostgreSQL, MongoDB

EXPERIENCE

Persistent Systems Limited, India | *Lead Software Engineer* **June 2021 - Aug 2023**

- Served as a Backend Developer for a leading American multinational IT conglomerate, specializing in REST APIs, Flask applications, and scripting across Python, and PowerShell for deployments on client servers.
- Pioneered automation efforts transforming client reporting mechanisms, leveraging XML for REST API inputs, cultivating an 85% reduction in quantitative analysis, and establishing new benchmarks for efficiency in reporting tool management.
- Developed Python desktop applications, enhancing log, and data retrieval from Linux servers, cutting manual tasks by 75%. Key contributor in resolving server issues with the infrastructure team through bash scripting.

Persistent Systems Limited, India | *Senior Software Engineer* **Jan 2020 - May 2021**

- Collaborated closely with business teams to formulate customized scripts, substantially boosting endpoint security for a network encompassing 40,000 endpoints, aligning with specific client requirements.
- Spearheaded automation in data aggregation for critical report generation using web scraping and databases. Achieved a 50% cut in preparation time, offering stakeholders faster, more precise insights, and exceedingly elevating decision-making.
- Engineered a Python module to automate incident creation in Service Now via REST API, obtaining a 65% reduction in manual effort, and innovated a script for manipulating extensive macro-based Excel files, and built a specialized Streamlit dashboard, profoundly advancing engagement with stakeholders through streamlined processes and augmented data visualization.

Persistent Systems Limited, India | *Software Engineer* **Oct 2018 - Dec 2019**

- Devised high-level scripts in Java to analyze and categorize Cognos reports, facilitating effortless migration of numerous reports to a proprietary in-house tool, and improving reporting precision by 30%.
- Partnered with engineering team members to architect a data pipeline harnessing Python and SQL, enabling processing of extensive datasets from SOAP and REST APIs for Enhanced Data Layer (EDL) creation on Apache Hadoop, markedly optimizing data retrieval and integration processes, strengthening capabilities in managing vast data operations.
- Implemented advanced statistics and machine learning techniques, specifically DBSCAN, for amplifying Cognos report duplication detection and clustering, achieving a 40% productivity gain in data processing workflows.

PROJECTS

Real-Time Collaborative Music Platform **Sep 2023 – Dec 2023**

- Constructed an advanced music web platform incorporating playlist management, session tracking, and robust user authentication, considerably enriching user engagement.
- Integrated JWT and bcrypt for fortified security, alongside Socket.io and CORS for real-time data sync, drastically reducing latency and fostering seamless server collaboration for an improved user experience for 1000+ sessions.

Course Registration Platform **Sep 2023 – Dec 2023**

- Engineered a user-centric course registration platform utilizing Java Spring Boot and React.js, facilitating efficient course browsing, selection of courses, and course enrollment processes, optimizing administrative tasks and student experiences.
- Applied data-driven analytics for real-time monitoring of course enrollments and trends, leading to a 25% increase in course engagement and enabling administrators to tailor offerings resourcefully to meet student needs and preferences.

ACHIEVEMENTS

- Awarded **Bravo Individual Award** in **2019 and 2020** for exceptional contributions in building scripts, rapid resolution of critical issues, and earning client commendations, highlighting a commitment to excellence and impactful problem-solving.
- Secured rank of **668** out of **1.4 million** candidates in IIT-JEE, a prestigious competitive joint entrance exam for admission into elite **Indian Institute of Technology** colleges, underscoring exceptional academic prowess and competitive spirit.