Sumeet Singh

Big Data Engineer

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PROFESSIONAL EXPERIENCE

Associate Data Engineer   **AAA – Auto Club Enterprises** | Costa Mesa, CA | August 2023 – Present
- Crafted highly efficient PySpark scripts to execute intricate ETL processes, seamlessly processing and analyzing large datasets. Strategically engineered scripts to cleanse, enrich, and refine datasets, optimizing performance and enhancing data quality.
- Implemented significant efforts to enhance HR data quality, ensuring accuracy and reliability for reporting purposes, thereby empowering users with precise and actionable insights.
- Collaborated with multiple business units throughout the organization to create efficient solutions for improved data quality and completeness.

Data Engineering Intern   **AAA – Auto Club Enterprises** | Costa Mesa, CA | June 2023 – August 2023
- Worked with large-scale datasets to efficiently transfer data from Teradata to Hadoop, ensuring the completeness and accuracy of about 350,000,000 records.
- Performed column compressions in Teradata, involving transforming data to optimize storage and improve query performance.
- Created visualization and reports to communicate data-driven findings to technical & non-technical audiences.

Code Coach/Instructor   **theCoderSchool** | Cerritos, CA | March 2022 – August 2022
- Developed engaging curriculums to teach multiple programming languages, Python and C++ for 100+ students
- Planned and individually led programming workshops for multiple schools, with more than 50+ students per week
- Led multiple summer camps teaching 25+ students how to create their own Roblox games

EDUCATION

B.S. Computer Science | GPA: 3.44   **California State University, Fullerton** | August 2019 – May 2024
Relevant Coursework:
- **Database & Applications:** Developed real-world projects using mySQL and web-based applications
- Data Science & Big Data | Data Structures & Algorithms | Artificial Intelligence | Software Engineering

PROJECTS

Tuffy Swipes
A dating app customized for California State University, Fullerton students. Leveraging expertise in JavaScript, Firebase, and React Native, engineered a seamless and intuitive platform that revolutionizes CSUF's student experience.
Implemented real-time chat using Firebase Firestore and Authentication

Data Analysis on Product Sales
Provides meaningful insights from 180,000+ data points on electronic product sales.
Used Python Pandas & Matplotlib within Jupyter Notebook for data mining & cleansing to solve real business problems.

Markov Chain Prediction Models
Produces stochastic models to predict the probability of a sequence of events occurring based on the most recent event. These three models include predicting weather conditions, freeway routes, and customer loyalty for businesses.

Zombie Runner
Web browser game | Created with Unity Game Engine | Scripted with C# | Agile Process (Scrum Master)
Our team implemented GitHub for storing & managing the source code, version control, and collaboration by utilizing features such as pull requests and branching to streamline the development process to ensure the project's success.

SKILLS

Languages: Python | Java | C++ | C# | JavaScript   **IDEs:** Eclipse | Visual Studio | PyCharm
Frameworks: React | Next.js | .NET   **Libraries:** PySpark | Pandas | NumPy | Matplotlib
Databases: MySQL | MongoDB | NoSQL   **Big Data Technologies:** Apache Spark | Hadoop | Hive
Effective communicator | Articulate | Results oriented | People, Process, Technology | Pragmatic | Adaptable

CERTIFICATIONS

AWS – Certified Cloud Practitioner   **WeHackPurple** – Application Security Certifications