Karan Singh

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Atlanta, GA

EDUCATION

University of Iowa — Iowa City, IA
Bachelors in Computer Science; — *Aug. 2020 – Dec, 2024*

- Coursework: Computer Architecture, Intro to Networks, Data Structures & Algorithms, Discrete Structures, Multi-variable Calculus, Linear Algebra

Certifications: AWS Solutions Architect, AWS Developer Associate, AWS Cloud Practitioner, Google Data Analytics

EXPERIENCE

Maxi — Los Angeles, CA
Data Science Intern — *September 2023 - November 2023*

- Parse through **5** years of user data by developing **15+** Python scripts.
- Prepared and presented analytical reports directly to the CEO, impacting key business decisions.
- Boosted retention rate by **18%**

MutCoinGang — Atlanta, GA
Founder — *May 2020 - Present*

- Independently managed an online store that sold in-game services and items for online games.
- Wrote programs to automate the production and delivery of items and services.
- Managed production, marketing, and delivery, producing over **1 million dollars** in profits.

PROJECTS

Salary Cap Winner:

- Reverse-engineered matchmaking algorithms in different games.
- Utilized Python and MAXScript to automate the process by writing over **70** scripts.

SolarEnergyViz.tech (UIowa Hackathon Award Winner - Best Data Visualization):

- Spearheaded a team of four with the development of a data visualization platform using **machine learning**.
- Employed DevOps practices for efficient data processing and seamless deployment, showcasing over **12 years** of data.
- devpost.com/software/solarenergyviz-tech

Flight Records:

- Designed and implemented efficient algorithms in Java to analyze flight data.
- Developed a customizable approach resulting in increased efficiency and accuracy.

SKILLS

Languages: Java, Python, C++, Javascript, HTML, React, CSS, SQL, Matlab, R

Technologies: AWS(S3, EC2, Lambda, DynamoDB, IAM, CloudWatch, CodeCommit, API Gateway, KMS, RDS Aurora, CloudTrail, Cloud Formation, Code Pipeline, Redshift, Kinesis, Glue), REST, CI/CD, Git, Linux, Docker, Prophet