Sagar Kapri

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EDUCATION

University of California, Berkeley, CA   Aug 2024 - May 2026
Bachelor of Arts in Data Science
Pasadena City College, Los Angeles, CA   Feb 2021 - May 2024
AA in Engineering and Technology
Relevant Coursework: *CS31***:** Foundations of Data Science**,** *CS8* : Advanced Data Structures in C++, *CS3A*:
Intermediate C++ Programming, *CS3C*:Python, *Math 5A,5B,5C*: Calculus Series, *Math 10***:** Linear Algebra

SKILLS

Languages: Advanced: Python, C++, Proficient: Java, MySQL, R
Tools: Pandas, Matplotlib, Numpy, Scipy, Tensorflow, Scikit-Learn, Keras, Seaborn, Plotly

HIGHLIGHTED PROJECTS & EXPERIENCE

Southern California Earthquake Center   June - Aug 2024
Created an FGF database for seismic hazard assessment, using pandas for data preprocessing and SQL for
database management. Integrated diverse datasets to improve earthquake impact predictions and infrastructure
resilience.

Break Through Tech AI UCLA   June 2024 - ongoing
Particicipating in one-year program focused on data science, AI, and machine learning. Completed ML
foundation curriculum and collaborating on industry projects such as building data analysis pipelines, and
utilizing ML and AI tools and libraries for 2024 fall studio. Also receiving the career coaching, mentorship.

Caltech Undergraduate Research Experience   Jan - May 2024
Conducted an advanced computational research on the synthesis process of Isodocarpin, focusing on optimizing
radical cross coupling techniques.

Datathon Cal Poly Pomona   April 2024
Used R to analyze the Facebook data on customer purchases, providing insights and recommendations for
improving customer engagement and sales strategies.

Poker Game   Oct 2023
CS3A: Intermediate C++ programming - Pasadena City College
Developed a complete poker game using SFML in C++. Applied object-oriented concepts to design full game,
handling game logic, player interactions, and graphical interface.

Mathematics Succes Center, Pasadena City College   Feb 2022 - May 2024
Assisted student in calculus, linear algebra, differential equations, discrete mathematics, enhancing their
understanding and academic perfromace.