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ROHIT BANERJEE

OBJECTIVE

To apply both advanced Mathematics and Computer Science to challenging and engaging real-world problems.

PROFESSIONAL ACHIEVEMENTS

- Presented Undergraduate Mathematics Research JMM 2019
- First place at Benedictine University's Data Analytics and Visualization Hackathon
- Eagle Scout Award

SKILLS

Proficient: Python, SQL, Pandas

Familiar: C/C++, JavaScript, HTML/CSS, SciKit-Learn, TensorFlow

French (Conversational), Spanish (Beginner)

PROFESSIONAL WORK HISTORY

PRODUCER'S NATIONAL (June 2019 – Present)

- Data Analyst
  - Maintained and fixed t-SQL stored procedures
  - Translated general data demands into complete data reports
  - Continually verified that all outbound data was correct

EDUCATION

UNIVERSITY OF ILLINOIS AT CHICAGO (HONOR'S COLEGE)

- B.S. in Mathematics and Computer Science with a concentration in Algorithms and Theory (Expected Spring 2020)
- 3.8 Major GPA (3.5 Overall)
- Courses in proof-based Mathematics, theoretical/applied Computer Science, and Statistics/Probability

PROJECTS

- **Localized Crime**
  - Used a *k*-Means Clustering Algorithm to determine hotspots of crime in Chicago by utilizing Chicago Public Data Portal for Benedictine University Data Analytics and Visualization Hackathon.
- **Planar Disk Packing (Undergraduate Research)**
  - Developed a physics engine and visualizer for disk-packing experiments in JavaScript and then ported to C++ for performance reasons.
- **Graph Algorithms on BTC Blockchain (Undergraduate Research)**
  - Investigated the efficacy of graph algorithms to generate metadata on accounts in the BTC Blockchain.