RISHAB BANTHIYA

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EDUCATION

University of Illinois - Urbana-Champaign   **August 2020 - May 2024**
Bachelor's, Computer Science   *GPA: 3.8*

PROFESSIONAL EXPERIENCE

Societe Generale   **Chicago, IL, USA**
Programming Analyst   *July 2024 - Present*
- Spearheading development of a new cross-asset platform within the Prime Services team, designed to support high-throughput financial data workflows.
- Scaled backend systems to efficiently process and analyze millions of rows of cross-asset data, ensuring performance and reliability under production loads.
- Designed and implemented a full-stack testing suite, covering UI functionality and automated document comparison to maintain data integrity and user experience across deployments.
- Helped implement a state machine to convert SAP BusinessObjects (BO) queries into optimized PostgreSQL queries, streamlining legacy report migration and query translation.

Technology Analyst   *June 2023 - August 2023*
- Crafted interactive data visualizations using JavaScript and Highcharts, improving data comprehension, enabling informed decision-making, and supporting client visits
- Streamlined deployment processes by orchestrating seamless transitions from development to production using Docker and Jenkins CI/CD pipelines, enhancing application scalability and uninterrupted operation
- Engineered a Spring Boot application, augmenting PSQL queries to revitalize financial data management
- Executed thorough Swagger documentation via OpenAPI3, defining multiple API endpoints to promote collaboration among teams.

Banach Technologies   **Singapore**
Quantitative Analyst   *October 2022 - May 2023*
- Constructed reinforcement learning models employing deep Q learning and experience replay for automated cryptocurrency trading in 1D and 2D spaces
- Employed models using TensorFlow, NumPy, Pandas, and gym any-trading libraries
- Evaluated models' predictive accuracy and capacity to generate profitable trading choices based on past market trends.

University of Illinois - Urbana-Champaign   **Groton, CT, USA**
Course Assistant   *June 2022 - May 2023*
- Guided CS 126 and CS 222 students as a Course Assistant, offering comprehensive code reviews with Agile methodologies such as Scrum and Kanban
- Organized regular stand-up meetings and iterative development, resulting in the prompt creation and presentation of over 12 applications in 3 months.

Pfizer   **Groton, CT, USA**
Software Engineering Intern   *June 2022 - August 2022*
- Crafted interactive components to display data with REACT, amplifying data visualization and analysis
- Contributed to the design and execution of predictive models, yielding precise and dependable insights into outcomes of drug trials
- Enhanced drug discovery by developing predictive models in C++, enabling improved anticipation of outcomes in small molecule drug trials.

SKILLS

Skills: Java, Python, SQL, HTML/CSS, OCaml, React.js, Django, Flask, JUnit, Spring, Git, Docker, Jenkins, Pandas, NumPy, Agile
Interests: Poker, Squash