Jackson Joseph Rini

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Education

University of Colorado, Boulder   **August 2019 - Present**
- **Major:** Computer Science
- **Degree:** Bachelor of Science
- **Expected Graduation:** Spring 2024
- **Relevant Coursework:**
  - Data Science with Probability and Statistics, Software Development and Management, Computer Systems, Data Structures, Cybersecurity, Robotics, Advanced Data Science, Design and Analysis of Operating Systems, Data Mining, Computer Security

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Technical Skills

- **Languages-** C++, C, Java, HTML, CSS, MySQL, Node.JS, React.JS, Scala, Javascript, Python, Pandas, NumPy, SciPy, Seaborn, Selenium, Pytesseract, OCRmyPDF, matplotlib, sklearn, Git

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Projects

- Superpowers, CU Boulder Capstone - August 2023 - Current
  - Languages Used: Python, MySQL, HTML, CSS, Javascript, Typescript, Git
  - Aims to automate the entire Venture Investment Opportunity Discovery and Evaluation process.
  - Created and Maintained MySql relational database through AWS
- Data Mining and Used Cars - August 2023 - December 2023
  - Language Used: Python, sklearn, Git
  - Developed algorithm that predicts future car prices to aid in car purchasing decisions.
  - Utilizes Random Forest and Gradient Boost Regression with machine learning hyperparameter optimization.
  - Used Agile Scrum methodology to complete project.

Experience

Vanderbilt University Medical Center - Intern; Nashville, Tennessee   **May 2023 - August 2023**
- Developed process for Vanderbilt Ingram Cancer Center's Clinical Trial Office to automate the creation of invoiceable items within their Clinical Trials Management System (Oncore).
- Project generates incremental annual revenue of >$500K.
- Utilized Selenium and OCRs for data scrapers.

Digital Global Systems - Intern; Tyson, Virginia   **May 2022 - August 2022**
- Developed programs in C to change levels of gain of radio frequency boards.
  - Optimized Python program that records and graphs gain data using NumPy, matplotlib, and Pandas.
- Created Python scripts to download FCC frequency data and perform Data preprocessing and cleaning using Python.

fortyAU - Intern; Nashville, Tennessee   **January 2021 - August 2021**
- Developed pages and forms for Preston Taylor Ministries using JavaScript, CSS, HTML, and React. (https://prestontaylorministries.org/about/)
- Created pages and forms for MedRenewel, a medical license renewal company using JavaScript, CSS, HTML, and React. . (https://medrenewal.com/)
- Bootstrapped CrushConnection app.
- Constructed pages for HomeworkHotline, a tutoring service in Nashville using JavaScript, CSS, HTML, and React. (https://homeworkhotline.info/)
- QA for ForeFront Telecare, Potluck, and Cumberland websites.

Cleveland Clinic - Intern; Cleveland, Ohio   **March 2018 - May 2018**
- Assisted in Cleveland Clinic website creation using JavaScript and HTML
  - Patient information form management
  - Used MySQL to create an efficient way to organize data for patient information.