

Rajeev Atla

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| Contact  rajeevatla.com  hi@rajeevatla.com  RajeevAtla  rajeev-atla  rajeevratla | |  Education |
| | 2021 - 2025 | Rutgers University — New Brunswick <ul style="list-style-type: none">⦿ Triple major in Computer Engineering, Computer Science, and Statistics/Mathematics⦿ Minor in Data Science⦿ Extracurriculars: Engineering Honors Academy, IEEE, Quantitative Finance Club, Competitive Programming Club, Engineering Honors Council, Alliance of Computer Scientists, Math Association, Statistics Club, Quidditch |
| Programming Python Java JavaScript SQL | 2017 - 2021 | John P. Stevens High School <ul style="list-style-type: none">⦿ Scored a 35/36 on ACT⦿ Took 19 AP exams (National AP Scholar) and 8 honors classes⦿ 5.56 Weighted GPA & 4.07 Unweighted GPA⦿ Extracurriculars: Science Bowl (President), Science League (President), Science Olympiad (President), Physics Club (President), Chemistry Club (President), Quiz Bowl, National Honor Society, Science National Honors Society, National Technical Honor Society, National English Honor Society, Mu Alpha Theta |
| Technologies NumPy PyTorch Pandas Scikit-learn Git | 2020 - 2021 | Columbia Science Honors Program <ul style="list-style-type: none">⦿ Took <i>Introduction to Algorithms</i> and <i>Graph Theory</i>⦿ Selected as one of ~2000 applicants from the tri-state area (NJ, NY, CT) |
| Markup L ^A T _E X Asymptote HTML CSS | 2020 - 2021 |  Projects |
| Markdown | | SuperconGAN: Superconductivity and GANs <ul style="list-style-type: none">⦿ Used PyTorch to construct and train a generative adversarial network (GAN) to analyze superconductivity data⦿ Withdrew data from UCI Machine Learning Repository using Pandas⦿ Published package on PyPI with 20,000+ downloads⦿ Wrote unit tests using Pytest⦿ GitHub Repository: https://github.com/RajeevAtla/SuperconGAN |
| Tools Emacs Ubuntu | 2019 - 2021 | rajeevatla.com <ul style="list-style-type: none">⦿ Used Jekyll and GitHub Pages to publish personal website⦿ Blogged on various technical subjects including physics and math |
| | Aug. 2020 | Sentiment Classification on IMDb Movie Reviews <ul style="list-style-type: none">⦿ Lead a team of 5 in using Sklearn and Pandas to construct an F1-based model to classify movie reviews as positive or negative⦿ Achieved 90.5% accuracy using linear bigram tf-idf |
| | May 2021 | Travel App <ul style="list-style-type: none">⦿ Designed mobile app to give iconic tours of areas along with 4 team members⦿ Wrote controllers and models for MongoDB using Mongoose ORM⦿ Utilized Flutter for frontend and Express.js and MongoDB for backend⦿ Placed 2nd at HackExeter 2021 |
| | March 2020 |  Awards |
| | | US Physics Olympiad Qualifier <ul style="list-style-type: none">⦿ Placed in top 400 out of 5,000+ on F=ma exam, based on knowledge of calculus-based mechanics and physical intuition⦿ https://www.aapt.org/physicsteam/2020/upload/2020-USAPhO-Qualifiers_v3.pdf |
| | 2019, 2021 | NJIT Chemistry Olympics <ul style="list-style-type: none">⦿ Utilized knowledge of organic and inorganic chemical nomenclature, as well as general chemistry knowledge⦿ Lead nomenclature team to 3rd place in 2021 and 4th place in 2019⦿ Lead demonstration show team to 4th place in 2019⦿ Selected to represent high school out of 200+ applicants |
