

Rajeev Atla

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| Contact  rajeevatla.com  hi@rajeevatla.com  RajeevAtla  rajeev-atla  rajeevratla | |
| Programming  Python  Java  JavaScript  SQL | |
| Technologies  NumPy  PyTorch  Pandas  Scikit-learn  Git Markup  L ^A T _E X  Asymptote  HTML  CSS  Markdown | |
| Tools  Emacs  Ubuntu  Windows | |
|  Education 2021 – 2025 - Rutgers University — New Brunswick <ul style="list-style-type: none">Triple major in Computer Engineering, Computer Science, and Statistics/MathematicsMinor in Data SciencePotential Minor in Operations ResearchPotential Certificates in Quantitative Economics or Computational EconomicsExtracurriculars: Engineering Honors Academy, IEEE, Quantitative Finance Club, Competitive Programming Club, Engineering Honors Council, Alliance of Computer Scientists, Math Association, Statistics Club, Quidditch 2017 – 2021 - John P. Stevens High School <ul style="list-style-type: none">Scored a 35/36 on ACTTook 19 AP exams (National AP Scholar) and 8 honors classes5.56 Weighted GPA & 4.07 Unweighted GPAExtracurriculars: 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 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) | |
|  Projects 2020 – 2021 - SuperconGAN: Superconductivity and GANs <ul style="list-style-type: none">Used PyTorch to construct and train a generative adversarial network (GAN) to analyze superconductivity dataWithdrew data from UCI Machine Learning Repository using PandasPublished package on PyPI with 20,000+ downloadsWrote unit tests using PytestGitHub Repository: https://github.com/RajeevAtla/SuperconGAN 2019 – 2021 - rajeevatla.com <ul style="list-style-type: none">Used Jekyll and GitHub Pages to publish personal websiteBlogged 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 negativeAchieved 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 membersWrote controllers and models for MongoDB using Mongoose ORMUtilized Flutter for frontend and Express.js and MongoDB for backendPlaced 2nd at HackExeter 2021 | |
|  Awards March 2020 - 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 intuitionFinal exam cancelled due to COVID-19https://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 knowledgeLead nomenclature team to 3rd place in 2021 and 4th place in 2019 (2020 canceled due to COVID-19)Lead demonstration show team to 4th place in 2019Selected to represent high school out of 200+ applicants | |