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## **Vinayak Ravichandran**

### **Education**

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*North Carolina State University, Raleigh, NC*

- B.S. in Computer Science; B.S. in Applied Mathematics
- Expected Graduation: December 2022
- GPA: 3.896

### **Skills & Relevant Courses**

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- Proficient in Java, C/C++, Matlab, Microsoft Office, G Suite
- Familiar with JavaScript, AngularJS, HTML, Python, R
- Experience with Git/eGit, Github, and MySQL
- Educated in Software engineering, Operating systems, Data structures & algorithms

### **Research & Projects**

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*Modeling The Effect of Discharge on Functional Feeding Groups*

- Awarded the Catalyst Award (2018) and NC Science, Mathematics, and Technology Student award (2019) for conducting a peer reviewed research project through NC School of Science and Mathematics and presenting at the State of North Carolina Undergraduate Research and Creativity Symposium

*Other Projects*

- Explored topics such as linear classification, data compression, model training, and estimation methods through a series of small projects
- Implemented solutions to popular concurrent programming problems using C
- Github: [github.com/vravich01](https://github.com/vravich01)

### **Work Experience**

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*Chief Operating Officer & Head Director of Nativus Initiative Inc. (Nonprofit)*

- Founded and managed a nonprofit organization dedicated to engaging members of local communities to excel in philanthropy and academics (2017-2020)
- Hosted fundraisers for NAMI and Habitat for Humanity, raising upwards of \$15,000
- Created a citizen science program, Streamwatch+, in conjunction with the NC Department of Environmental Quality (2020)
  - Developed a web application using GIS and Excel to allow student researchers to submit and retrieve ecological data