

Abhitej Bokka

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EDUCATION

Rutgers University - New Brunswick **May 2024**
Bachelor of Science, Computer Science & Statistics **Cumulative GPA: 3.9/4.0**
Completed Coursework: Software Methodology, Design & Analysis of Computer Algorithms, Statistics II, Computer Architecture, Data Wrangling & Management, Data Structures & Algorithms, Multivariable Calculus, Linear Algebra, Internet Technology, Machine Learning Principles, Regression Methods, and Introduction to Data Science

WORK EXPERIENCE

Yahoo - DevSecOps Engineering Intern **June 2023 - August 2023**

- Tracked assets that have open security bugs & risk evaluations from JIRA to ensure a <1% rate of overdue fixes.
- Integrated alerts with Slack API to notify engineers & product owners and pushed reviews to Google Sheets.
- Automated JIRA tickets for CI/CD maintenance with Python and created Docker images for StackStorm actions.
- Reduced S3 Bucket costs and eliminated redundant employee info databases through StackStorm automation.
- Deployed machine learning model on AWS Sagemaker and used Auto Scaling to handle 10,000 requests/min

ADP - Software Engineering Intern **June 2022 - August 2022**

- Built Java APIs for an insurance tool for 204,000 clients to save associates 8,500 hours with policy adjustments.
- Converted SQL to JPA for a Spring Boot Application to accompany a microservices architecture.
- Optimized legacy API requests to reduce response sizes by 48% and reduce average response time by 19%.
- Designed a dropdown menu with Angular to manage client contacts and display a client summary.
- Learned Agile methodology and applied SDLC from planning to production using Jira, Confluence & Bitbucket.

Rutgers University Mobile App Development - Mentor **May 2021 - June 2022**

- Assisted a mobile app dev. club in teaching 9 students JavaScript to further their skills in backend development.
- Taught content about Node.js & Express.js, using bcrypt & JWT tokens for authentication, and built REST APIs to connect to MongoDB Atlas—interviewed applicants for this accelerated teaching program.

Freelance Computer Science, Math, and ACT Tutor **October 2018 - April 2021**

- Tutored students for ACT Math, Multivariable Calculus, Linear Algebra & Computer Science courses.
- Helped 3 of my Linear Algebra students and 2 of my Calculus III students to achieve A's on their finals.

Rutgers University - Laboratory Assistant **June 2019 - August 2019**

- Researched protein ubiquitination and degradation by the proteasome under Dr. Li Chen at RWJMS.
- Conducted various experiments from yeast transformation to immunoprecipitation to show a gene named Rad23 plays a crucial role in interaction with the proteasome and its substrates.
- Automated calculations for spectrometry with Java and designed spectrometry graphs with Google Sheets.

COMPUTER SCIENCE PROJECTS

RUPlatePal - HackRU 2023 winner for Best Rutgers Hack **February 2023**

- Bridged the gap between dining halls and food pantries by reducing food wastage and generating recipes.
- Collected recipes from 2000 ingredients with a Python API to form a dashboard using React.js & TailwindCSS.

Schwordle - HackRU 2022 winner for Best Use of Twilio & Maverick Track **April 2022**

- Created Wordle groups using Twilio SMS API, allowing users to verify and compare Wordles with other users.
- Displayed daily Wordle of each group member to the group-specific dashboard using Next.js & TypeScript.
- Hosted message data on CockroachDB and used R to arrange leaderboard & achievement statistics for 32 users

RUmate **August 2021**

- Made the backend for a mobile app that helps users match with potential roommates using Node & Express.js.
- Created an algorithm to let people rank qualities they preferred in roommates and curated a queue of the user's best matches given over 15 data points like their class year, sleep schedule, etc., stored in MongoDB.

EXTRACURRICULAR ACTIVITIES

Rutgers Quantitative Finance Club **October 2020 - Present**

- Participated in SQC Quant Challenge with a group and crafted an algorithm in Python using NumPy and Panda packages to trade assets based on sector momentum and stochastic processes.
- Backtested on QuantConnect and returned 48% in 2020-2021 with a win rate of over 71%.

First-Year Fellowship Emerging Leaders Program **January 2021 - May 2021**

- Strengthened my public speaking, improved my collaboration, and developed my communication skills.
- Ran an Instagram campaign to dispel common myths about the covid vaccine and garnered over 100 followers.

SKILLS

- Software & Tools: Java, Python, JavaScript, SQL, C, Angular, Git, MongoDB, AWS, Docker, Kubernetes & YAML
- General: Leadership, Teaching, Team Management, Organization, Problem Solving, Communication, Persistence