

# ABISHEKK KAILASHRAM KRISHNA

[abishekk.org](https://abishekk.org) | [Linkedin/Abishekk](https://www.linkedin.com/in/abishekk) | (732) 997-9924 | [abishekk.0914@gmail.com](mailto:abishekk.0914@gmail.com)

## Education

THE COLLEGE OF NEW JERSEY, SCHOOL OF SCIENCE, Ewing, NJ

August 2023 - May 2027

Bachelors of Science in Computer Science Cumulative GPA: 3.5

- **Relevant Coursework:** Database Systems, Computer Architecture, Statistical Inference, Text Mining, Computational Problem Solving, Data Structures, Discrete Mathematics, Analysis of Algorithms

## Skills

**Programming Languages/Tools:** Java, C++, C, CSS, Javascript, Python, MATLAB, R, and HTML

**Web Services:** EC2, S3, AWS Lambda, Amazon EBS, Amazon ELB, and Amazon VPC

**Open Source Softwares:** Kubernetes (EKS), RedHat OpenShift Service

**Hobbies:** Competitive Soccer, Basketball

## Experience

**Nexus Internship (Building cloud based solutions for developers)**

May 2024 - August 2024

Plainsboro, New Jersey

- Facilitated core concepts of cloud computing to the team and delved deep into specific platforms and instances in AWS such as: EC2, S3, Lambda and assisted the front end team with debugging and solutions.
- Optimized cloud resource allocation, reducing monthly AWS costs by 15% through strategic utilization of EC2 instances and S3 storage solutions.
- Collaborated with a 5-member front-end team, resolving 90% of reported debugging issues within project deadlines to ensure seamless application functionality
- Monitored and analyzed system performance metrics across EC2 instances, identifying bottlenecks and achieving a 25% improvement in system efficiency.

**Best Brains Learning Center (Coding/Abacus Tutor)**

November 2024

East Windsor, New Jersey

- Committed to helping students (K-8) build a strong foundation in mathematics and technology while boosting their confidence and curiosity in abacus based mental math and coding.
- Successfully introduced over 50 students to coding principles, guiding 85% to create their first fully functional projects using Scratch or Python.
- Designed and implemented personalized learning plans that increased student engagement in STEM activities by 40%, as measured by completion rates and class participation.
- Organized coding challenges and mental math competitions in class, boosting student confidence, with 95% of participants expressing enthusiasm for continued learning.

**Best in Class Education (Math/English Enrichment Tutor)**

January 2025

- Provided personalized one-on-one tutoring in math and English to students aged 8-16, focusing on improving comprehension, problem-solving skills, and overall academic performance.
- Facilitated writing workshops that helped students improve essay writing, leading to an average score improvement of 20% on written assignments
- Developed tailored lesson plans and enrichment activities for students, increasing engagement and reinforcing key concepts in both subjects

## Volunteer Experience/Activities

**Association for Computing Machinery (ACM)**

Sept 2023 - Dec 2023

The College of New Jersey - Ewing, New Jersey

- Aimed to enhance my knowledge with various computer languages by participating in collaborative activities with Teacher Assistants in the Computer Science field.
- Participated in weekly programming challenges, mastering three new programming languages (Python, JavaScript, and C++) within six months
- Enhanced understanding of software development lifecycles by contributing to open-source projects, resulting in 200+ lines of optimized code submissions.
- Partnered with faculty to integrate real-world applications of computer science topics, leading to a 95% satisfaction rate among workshop attendees.

**Diversity in the Growing Field of Technology (DIGIT.all)**

Sept 2023 - Dec 2023

The College of New Jersey - Ewing, New Jersey

- Shared insights on the importance of fostering inclusive environments in tech spaces, contributing to a 20% increase in participation in diversity-focused initiatives
- Led and contributed to group discussions on overcoming challenges in tech and tech culture, resulting in a 15% increase in the group's understanding of cultural inclusivity in technology
- Compiled and analyzed data on trends in the diversity of the tech workforce, contributing to a report that identified areas for growth, which was shared with key stakeholders in the DIGIT.all program
- attended 2+ weekly meetings on topics ranging from coding practices to software engineering trends, helping deepen the group's understanding of current tech practices and trends.

**Trenton Circus Squad (Volunteer Member)**

April 2024

*Trenton, New Jersey*

- Assisted in optimizing stage preparation processes by organizing tasks and creating a task management system to streamline performance readiness.
- Guided team members in efficiently allocating resources, reducing setup time by 20% for upcoming performances in a resource-constrained environment.
- Proposed the use of basic software tools for scheduling and task tracking, enhancing coordination among volunteers and staff.

## **Awards/Achievements**

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**2023 Fall TCNJ Dean's List** *School of Science*  
**2024 Spring TCNJ Dean's List** *School of Science*

**Fall 2023**  
**Spring 2024**