

# Dinesh Karnati

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Passionate and self-motivated programmer adept in object-oriented programming, algorithm development, and core programming principles. Actively pursuing a summer internship in software development to apply my skills in a real-world setting.

## EDUCATION

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North Carolina State University, Raleigh, NC

Expected May 2026

Bachelors in Computer Science

GPA: 4.00/4.00, Dean's List

**Related Coursework:** Data Structures & Algorithms; C/Software Tools; Automata, Grammars, & Computability; Intro Engineering, Probability & Statistics

## SKILLS

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**Programming:** Java, Python, JavaScript, HTML/CSS, Next.js, React.js, C, .NET, R

**Tools:** PyCharm, Eclipse, VS Code, Git, Bootstrap, Flask, MongoDB, Material-UI, APIs, Android Studio

## EXPERIENCE

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**Vandal Search | Software Development Engineering Intern**

Aug 2022 – Apr 2023

- Utilized Next.js, CSS, HTML, and Material-UI to design and develop the user interface to optimize the overall customer experience.
- Gained insights into web-scraping mechanics and database management by closely collaborating with my manager through MongoDB.
- Attained a comprehensive understanding of software development cycles within corporate environments, marking my inaugural experience in this domain.

**InPrintAI | Internship Shadowing**

Aug 2022 – Oct 2022

- Briefly gained exposure to Python libraries such as Deepface Live and DeepFake Lab, exploring their functionalities.
- Introduced to Rest APIs and SQL Databases, observing their applications and data transportation processes in a practical setting.
- Contributed to webpage development, involved in front-end feature implementation, and collaborated on efficient database management for seamless integration.

**App Development Club | Active Member**

Jan 2024 - Current

- Recently joined the App Development Club at NC State University to actively engage with developing an Android app used by the University to promote events, club collaboration, and general day-to-day information

**Algebra Tutoring | Tutor**

Jun 2021 – Sept 2022

- Facilitated algebra instruction for 5th to 8th-grade students during summer sessions.
- Raised over \$5000 for initiatives supporting 'Sponsor-A-Child' and 'Sanitation, Hygiene, And Empowerment' programs for the Girl Child.

## PROJECTS

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**LetsStudyTogether**

Jan 2024 – Present

- Actively engaged in the development of a comprehensive website using Python, Flask, and Bootstrap.
- Progressing towards implementing the Pomodoro timer method to facilitate enhanced user productivity.
- Aiming to introduce a collaborative feature for users to add friends, fostering healthy study competition and further enhancing the platform's functionality.

**WolfScheduler**

Aug 2023 – Sept 2023

- Created a JAVA-based GUI interface to facilitate adding, sorting, removing, and displaying events and courses based on user inputs.
- Conducted comprehensive testing of the program using Junit and Jenkins to identify and rectify any potential failures or errors.