

Ayan Zia

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Honors Computer Science student at Rutgers University with hands-on experience in mobile development and automation, seeking software engineering opportunities to drive innovation through technology.

EDUCATION

Academy for Information Technology

QPA: 97.53/100

Rutgers University

GPA: 4.0

Scotch Plains, New Jersey

Sep 2020 - Jun 2024

New Brunswick, New Jersey

Sep 2024 - May 2027

- o **B.S. in Computer Science**
- o **Related Coursework:** Data Structures, Linear Algebra, Discrete Structures I, Computer Architecture

EXPERIENCE

Erickson Senior Living

Student Server

New Providence, New Jersey

Jul 2023 – Present

- Orchestrated daily restaurant operations and mentored new employees while serving over 100 residents, consistently earning positive feedback from management and residents

PROJECTS

Messenger

Nov 2023 – Jan 2024

- Engineered a real-time messaging platform integrating Firebase database and translation APIs, enabling seamless communication across language barriers

Daily Vocabulary Trainer

Jan 2020 – Jul 2023

- Developed an iOS application using Swift featuring adaptive flashcards and quiz modes, demonstrating improved vocabulary retention among beta testers
- Implemented data-driven learning paths through analytics and persistent storage features

Robotics Scouting Application

Nov 2023 – Jan 2024

- Designed a scouting platform that optimized team performance by streamlining competitor analysis during regional competitions

Monkey Jump

Apr 2024 – Jun 2024

- Created an endless runner game featuring procedurally generated obstacles and dynamic difficulty scaling, ensuring consistent performance across devices

ACTIVITIES

Future Business Leaders of America

State and National Level Competitor

Scotch Plains, New Jersey

Dec 2021 – Mar 2024

- Spearheaded a 3-member team to consecutive state championships (2022, 2023), advancing to national finals with award-winning presentations

NP Intergenerational Club

Community Service Volunteer

New Providence, New Jersey

Nov 2021 – Dec 2023

- Launched diverse community support initiatives including technical assistance and home maintenance for seniors, while facilitating intergenerational events

The Connection

English as a Second Language Instructor

Summit, New Jersey

Oct 2022 – Mar 2023

- Structured English language instruction for 25+ adult learners, crafting engaging lesson plans that enhanced student progress

SKILLS

Programming: Java, Swift (iOS), Python, SQL, HTML/CSS, GDScript, Kotlin

Certifications: Java Foundations Certified Junior Associate, Oracle Database Foundations Certified Junior Associate, CompTIA: ITF+ (IT Fundamentals), Microsoft Office Specialist: Associate