

AFSHAN ZUBIA AKMAL

Computer Science Student

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Education

BACHELOR OF SCIENCE (Computer Science)	Sep 2023 - May 2027
NJIT (Albert Dorman Honors College)	NEWARK, NJ
<ul style="list-style-type: none">Cumulative GPA: 3.8 (Fall 2023-Spring 2025)Relevant Coursework: Data Structures and Algorithms, Foundations of Computer Science I, Programming Language Concepts, Linear Algebra, Intro to Machine Learning	

Awards and Honors

• Dean's List	FALL 2023 - SPRING 2025
• 3rd Place, Google Solution Challenge 2025 - North America (HopeLinker)	MAY 2025
• Highest Total Raised and Highest Average Gift (NJIT Alumni Center)	DEC 2024

Skills

Languages: Python, Java, C++, JavaScript, Dart, HTML, SQL
Frameworks & Libraries: Pandas, NumPy, TensorFlow, NLTK, Gensim, FastAPI, BeautifulSoup, Streamlit, Flutter, JUnit, Next.js
Tools & Platforms: Docker, Git (Version Control), Firebase, VMware, Linux, Microsoft Power Automate, Microsoft Office Suite, MongoDB

Work and Research Experience

Project Lead (Research)	Sep 2024 - Present
I-CORPS: ANALYZING FACTORS IN SECURING START-UP SUPPORT	NEWARK, NJ
<ul style="list-style-type: none">Led a research project analyzing regional-level team data with various ML (Machine Learning) models to uncover key start-up support factorsBuilt an NLP pipeline using Python (Pandas, NLTK, Gensim) to clean, preprocess and analyze demographic and text dataStandardized datasets to extract linguistic and regional patterns that revealed factors driving start-up support	
Technical Intern	Jun 2025 - Jul 2025
AmiViz	DUBAI, UAE
<ul style="list-style-type: none">Analyzed policies on CrowdStrike Falcon's EDR Platform to affirm regulatory compliance and make change recommendationsShadowed senior cybersecurity consultants to get an in-depth understanding of current security solutions offered in the marketAutomated a workflow in Microsoft Power Automate to receive and update employee review forms, increasing process efficiency	

Projects

HopeLinker	Feb 2025 - Present
<ul style="list-style-type: none">Developed a nonprofit-focused application using Flutter and Firebase to improve people's access to essential resources and servicesConducted user research through local outreach to ensure alignment with current needs while enhancing user experienceLeveraged JavaScript, Dart, and HTML to implement interactive UI components and smooth transitions between app pages	
SkillForge	Sep 2024 - Dec 2024
<ul style="list-style-type: none">Developed a custom web scraper with BeautifulSoup to identify relevant courses and tutorials aligned with job description for automated skill-gap recommendationsBuilt and deployed FastAPI endpoints to highlight missing resume skills in real time by integrating the Affinda API for document parsing and MongoDB for structured data storage.	
Social Media Aggregator and Sentiment Analysis Application	Jul 2024 - Sep 2024
<ul style="list-style-type: none">Designed RESTful APIs in Flask to retrieve real-time sentiment data on celebrities from multiple social media platformsBuilt a SQLite-backed storage and retrieval system, enabling efficient querying and visualization through a Streamlit dashboardImplemented a sentiment analysis pipeline that utilizes transformer-based LLMs (Large Language Models) to process data	