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 Residence: New Delhi  [github/yuvkapoor](https://github.com/yuvkapoor)

# Education

* **SRM Institute of Science and Technology, Delhi-NCR** *2021-2025*

*Bachelor of Technology, Computer Science Engineering* CGPA: 9.47

* **Bhai Parmanand Vidya Mandir Public School** *2021*

*Intermediate (CBSE)* Percentage: 96

# Projects

* + **Fitness Tracking Mobile Application** *February 2024 - April 2024*
    - Used Java, XML and firebase to create the app which consumes 15% less memory than flutter.
    - Used gyroscope with accelerometer to calculate the steps which increases the accuracy by 20%.
    - Integrated an AI chatbot within the application which tells about the workouts and diet plans which make achieving personal goals easier by 30%.
  + **Eyesight test (used in learners license test)** *March 2023 - May 2023*
    - Used python (Tkinter and Turtle for 10% faster response) to print an image with hidden numbers written on it.
    - Led the development of advanced eye health technology, improving diagnostic precision by 15% and enhancing patient experience.
    - Engineered a streamlined user experience flow: users input visible numbers and receive instant pass/fail notification, enhancing user satisfaction and reducing processing time by 30%

# Experience

# DevOps Engineer *March 2025 – Present*

# *Futuresoft Okhla (New Delhi)*

# Deployed production-ready web apps using Docker; provisioned SSL certificates and handled system administration for secure infrastructure.

# Improved infrastructure automation workflows using Python and Azure CLI.

# DevOps Intern *August 2024 – February 2025*

# *Futuresoft Okhla (New Delhi)*

# Automated routine tasks using Python, boosting team productivity by 35%.

# Managed Azure cloud resources: VMs, storage, and access controls.

# Supported LLM-based chatbot development and internal GenAI tools.

**Research paper on virtualization and load balancing (**[**Published Paper**](https://ijercse.com/hybrid-weighted-least.php)**)** August 2023 – February 2024

* Written about bare-metal virtualization, quantum computing and integration of blockchain in virtualization.ss
* Designed a hybrid MSJF-weighted algorithm reducing energy use by 30% and improving processing speed by 40%

**Data Analysis and Machine Learning Intern** *June 2023 - August 2023*

***Birlasoft*** *Noida*

* Performed sentiment analysis using python, NLP and data analysis.
* Built an NLP-based tool to analyze CSV data sentiment, boosting text analysis accuracy by 20%.
* Then it made a graph according to the sentiment score using matplotlib.

# Technical Skills and Interests

**Languages**: Python, Java, C++, C, HTML, CSS.

**Skills:** Microsoft Azure, Azure DevOps, Docker, Git, Amazon S3, Selenium, LLMs. NLP, Prompt Engineering, Sentiment Analysis, Python Automation, Shell Scripting.

**Databases**: MongoDB, MySQL

# Additional

* [Google cloud security certification - LinkedIn learning](https://drive.google.com/file/d/13rams1hVlLn1IDE7vEfpQrvCiAhkc8dT/view?usp=sharing) *March 2023*
* [Fundamentals of Azure - Microsoft certified](https://drive.google.com/file/d/1LSRmOeL2FgCeytxaeGD42ve7vl63Hnch/view?usp=sharing) *June 2023*
* [Second rank holder in CSE-cloud computing 2nd year - SRMIST Delhi NCR](https://drive.google.com/file/d/1IwoDA6qQJ1csfnYL2ZdTXZ2ha4eHxTx1/view?usp=sharing) September *2023*
* [DBMS silver elite certification - NPTEL](https://drive.google.com/file/d/1mxKn5oDbvnV_c6xKQcQA2YTEgWPw5rhx/view?usp=sharing) October *2023*
* [Best research paper presentation Scopus certification - ICAMIT - 24 conference](https://drive.google.com/file/d/1N4_8pgUzWDoKjCHMzIdr2vPxcZbqhmdL/view) January *2024*