# Yuv Kapoor

B. Tech, CSE (IV Year)
SRM University, Delhi-NCR
📍 Residence: New Delhi

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## Education

- **SRM Institute of Science and Technology, Delhi-NCR** — *2021-2025*
  *Bachelor of Technology, Computer Science Engineering* — CGPA: 9.4

- **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 makes 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 number and receive instant pass/fail notification, enhancing user satisfaction and reducing processing time by 30%

## Experience

- **DevOps Intern** — *August 2024 - December 2024*
  *FutureSoft* — ***New Delhi (Okhla)***

  - Managed cloud infrastructure and CI/CD pipelines using Microsoft Azure DevOps, improving deployment efficiency by 25%.

  - Acted as system administrator, enhancing IT security protocols and reducing downtime by 30% through proactive monitoring and troubleshooting.

  - Optimized Azure cloud resources, leading to a 20% improvement in system performance and cost efficiency.

- **Research paper on virtualization and load balancing (Published Paper)** — *August 2023 – February 2024*

  - Written about bare-metal virtualization, quantum computing and integration of blockchain in virtualization.
  - Engineered an algorithm with industry-leading efficiency metrics by combining MSJF and weighted algorithms, achieving a 30% reduction in energy consumption and 40% faster processing time compared to competitors.

- **Data Analysis and Machine Learning Intern** — *June 2023 - August 2023*
  *Birlasoft* — *Noida*
  - Performed sentiment analysis using python, NLP and data analysis.
  - Developed an automated sentiment analysis tool that extracted data from a CSV file, analyzed sentiment with NLP algorithms, and assigned sentiment scores, improving 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, android development (Java, XML), AWS S3, Natural language processing, networking protocols

**Databases**: MongoDB, MySQL

## Additional

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|---|---|
| • Google cloud security certification - LinkedIn learning | *March 2023* |
| • Fundamentals of Azure - Microsoft certified | *June 2023* |
| • Second rank holder in CSE-cloud computing 2nd year - SRMIST Delhi NCR | September *2023* |
| • DBMS silver elite certification - NPTEL | *October 2023* |
| • Best research paper presentation Scopus certification - ICAMIT - 24 conference | *January 2024* |
| • Cloud computing and distributed system silver elite certification – NPTEL | April *2024* |
| • Google android developer virtual internship - AICTE | June 2024 |