

# Om Singh

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## EDUCATION

### VIT Bhopal University

*Bachelor of Technology in Computer Science Engineering; CGPA: 8.47*

Bhopal, India

*Aug. 2022 – Present*

### City Montessori School

*Class 12<sup>th</sup> (ISC); Scored 89.5%*

Lucknow, India

*May 2021*

### City Montessori School

*Class 10<sup>th</sup> (ICSE); Scored 89.4%*

Lucknow, India

*May 2019*

## ACHIEVEMENTS & CERTIFICATIONS

### Introduction to Neural Networks and PyTorch

*Coursera (Google)*

Dec 2023

[Verify Here](#)

### Cloud Computing (Score: 65%)

*NPTEL (12-week course)*

Jan – Apr 2024

*Certification ID: NPTEL24CS17S352901070*

## PROJECTS

### iAR | *Swift, ARKit, iOS*

- Designed and built an immersive iOS AR app using ARKit to render 3D models in real-world environments
- Implemented gesture-based object placement and scaling for interactive user experience
- Achieved smooth rendering performance at 60 FPS across supported devices
- GitHub: [github.com/OmSingh2003/iAR](https://github.com/OmSingh2003/iAR)

### AgroBharat | *Flutter, Firebase, REST APIs*

- Developed a cross-platform mobile app to assist farmers with crop suggestions, mandi prices, and weather updates
- Integrated REST APIs to deliver real-time agricultural and market data tailored to user location
- Enabled multilingual support and user authentication using Firebase services
- GitHub: [github.com/OmSingh2003/AgroBharat](https://github.com/OmSingh2003/AgroBharat)

### NoteTube | *Flutter, Whisper API, Gemini API*

- Built a smart learning app that transcribes YouTube videos using Whisper and summarizes them using Gemini
- Automated generation of quizzes, flashcards, and summaries to enhance learning efficiency
- Reduced manual note-taking by 80% through AI-powered content extraction
- GitHub: [github.com/OmSingh2003/NoteTube](https://github.com/OmSingh2003/NoteTube)

### iChat | *Swift, iOS, Google Translate API, Firebase*

- Created an iOS chat app that provides real-time message translation across 90+ languages
- Implemented Firebase authentication and Firestore for seamless real-time communication
- Facilitated multilingual chat experience for global users with accurate, instant translations
- GitHub: [github.com/OmSingh2003/iChat](https://github.com/OmSingh2003/iChat)

## TECHNICAL SKILLS

**Languages:** Java, Python, C/C++, SQL (PostgreSQL, MySQL), JavaScript, HTML/CSS

**Frameworks & Tools:** Flutter, Firebase, ARKit, REST APIs, Git, GitHub, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, GitHub Actions

**Libraries:** pandas, NumPy, Matplotlib, Seaborn

**Technical Subjects:** Theory of Computation, Data Structures and Algorithms, Database Management System, Operating Systems, Computer Networks

**Cloud & DevOps:** AWS (Basics), Google Cloud Platform, Docker, Kubernetes

**Databases:** PostgreSQL, MySQL, Data Warehousing