

# Arvind Agarwal

*Software Developer*

+91-9618233565 — [arvindagarwal839@gmail.com](mailto:arvindagarwal839@gmail.com) — <https://agarwalarvind.com> — India

## Summary & Skills

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Innovative Software Engineering Student with a passion for problem-solving and a knack for transforming complex concepts into user-friendly applications.

LinkedIn: [arvindagarwal1310](#) Portfolio: <https://agarwalarvind.com> Github: [ArvindAgarwal1310](#)

**Skills:** Problem Solving, Python, Java, C programming, Amazon Web Service(AWS), Deep Learning, Data Structures and Algorithms, NLP, Computer Vision, Object Oriented programming, Operating Systems, SQL, Database Management, Public speaking/Communication & Machine Learning.

## Experience

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### DataDive AI - ML Engineering Intern

*02/2024 - Present*

Empowering Businesses: AI Solutions for Seamless Social Customer Engagement.

- Spearheaded end-to-end MVP development from scratch, architecting robust back-end systems powered by cloud services and tailored database solutions for optimal performance and scalability.
- Implemented voice-conversation support and AI-driven cross-selling, elevating user engagement and driving sales growth.
- Integrated with third-party apps ( delivery services, payment gateways) for enhanced functionality.

### Invsto - Software Developer Intern

*10/2023 - 03/2024*

Investments and Trading SuperApp & Quant Sciences firm.

- Developed, refined, and optimized more than 10 high-performance, reusable components for Back-end systems, driving a 30 % improvement in processing speed using Python and Fast-API.
- Drove innovation in backend architecture to ensure the seamless execution of trading activities.
- Partnered with cross-functional teams to enhance user experience and functionality.

### SELF - Tutor

*09/2022 - 02/2023*

- Provided guidance and tutoring to high school students, enhancing comprehension of more than 6 subjects including aptitude, mathematics.

## Projects

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### Brain Tumor Segmentation

[GitHub Link](#)

- Mobile Application to Segment Brain Tumor using CT-Scan.
- Deep Learning Model-UNET trained to segment intracranial Brain Tumor, deployed using Flask API and AWS, accessible on a Flutter Application.

### Word Search

- Built a GUI-supported Python project with 5000+ words.
- Improved problem understanding skills and enhanced Python language proficiency.
- Application Displays meaning of words found in the puzzle for added learning.

## **Aadaan-Pradhan**

- MERN project - MERN website for students to book laboratories for lab activities.

## **Voice Based Personal Assistant - LYRA**

- Lyra is a desktop application that understands user queries spoken to them, fetches the response, speaks it out, and displays in a Chat-message interface.
- Deepened comprehension of APIs, GUIs, NLP, and media resource management.

## **Education**

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### **Keshav Memorial Institute of Technology**

*06/2021 - Present(Anticipated Graduation: 2025)*

Bachelor of Technology - B.Tech, Computer Science - AI&ML

### **Narayana Junior College - India**

*2019 - 2021*

Grade: 94/100

Intermediate

### **The Hyderabad Public School**

*2019*

Grade: 90/100

Secondary - ICSE

## **Volunteering & Accomplishments**

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### **IAYP - International Award for Young People (Duke of Edinburgh)**

- A global framework for non-formal education and learning.
- Developed transferable skills, increased fitness levels, cultivating a sense of adventure and volunteering in the community.

### **NCC A Certificate**

- National Cadet Corps, Government Of India.
- Spent 2 years of training in the junior wing, Led my troop of 15 members.
- Attended training camps, blood donation camps, 10+ social welfare events.

### **Commerce Wizard**

- Institute Of Chartered Accountants, India.
- Ranked among the top 500 students nationwide in ICAI Commerce Wizard