Arvind Agarwal

Software Developer

+91-9618233565 — contact@agarwalarvind.com — https://agarwalarvind.com — India

Summary & Skills

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

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

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

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

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