

Adarsh Ravi Rao

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Education

University of Texas at Arlington
Masters of Science in Computer Science

Jan 2024 - Dec 2025

Skills

Programming Languages: Java, JavaScript, Python, C, SQL, HTML, CSS, PHP
Technologies: Azure, Git, MongoDB, PostgreSQL, Firebase, Android Studio
Frameworks & Tools: React.js, Django, Node.js, Spring Boot, JIRA, Agile Methodologies

Professional Experience

Full-Stack Developer and Coding Instructor, (Asha NGO) **Mumbai, India** 07/2023 - 10/2023

- Collaborated with CTARA, IIT Bombay on the 'No Waste Mumbai' project, utilizing skills in **Django**, **JavaScript**, and **PostgreSQL** to enhance waste management practices for over 2 million residents.
- Taught programming skills to 150+ students (grades 5-11) at Asha NGO, employing **Scratch**, **NetLogo**, **GeoGebra**, and **Java** to achieve a 90% student satisfaction rate and 70% improvement in coding skills.

Sr. Analyst, (Capgemini India Pvt. Ltd) **Mumbai, India** 04/2021 - 05/2023

- Worked as a **Java Developer**, focusing on **Java**, **Spring Boot**, and **JavaScript**, leading the development of 3 major software solutions for the Ariba Biller Direct Project by SAP within a 6-month timeframe, increasing system efficiency by 25%.
- Diagnosed and optimized 5 key APIs, utilizing **Java Spring Boot** and **JavaScript**, reducing customer process delays by 30% and improving response times by 20%.
- Resolved over 50 technical SAP IT service incidents, including payment processing issues, enhancing customer satisfaction by 15%.

Android Developer, (Freelance Developer for Academic Research) **Mumbai, India** 01/2021 - 04/2021

- Contributed to Dr. Aparna Phadke's research by designing and developing 2 **Android** applications, '**My Liveability**' and '**Live Green**,' which were integral to a research project recognized for its innovation and academic value at the University of Mumbai.
- The research, featuring '**My Liveability**' and '**Live Green**,' was published in Chapter 3 of the book *The Route Towards Global Sustainability Challenges and Management Practices*, highlighting its academic impact and significance in 2023.
- The project received a grant of 10 Lakhs (USD 12,500) from the Indian Council of Social Science Research (ICSSR) under the IMPRESS scheme, reflecting its importance and support from a prestigious research funding program based in New Delhi.

Projects

- Transformative Urban Regions:** Developed two Android applications for data collection on livability and biodiversity, featuring map filters, QR scanning for plant species, and advanced data visualization techniques.
- ECommerce Platform:** Built a comprehensive eCommerce website utilizing React.js, Redux, Node.js, and Express.js, with MongoDB for data storage. Implemented key features including user authentication, product management, and cart operations.
- Finding Home Tutors:** Created a Java-based application to connect users with online home tutors via SMS or call, incorporating JSON, PHP, and SQL for backend services and data handling.

Certifications & Awards

- Rising Star Award, Capgemini (Dec 2022)
- Microsoft Azure Fundamentals, Microsoft (May 2022)
- Agile Software Development, University of Minnesota (Apr 2022)
- Android & MERN Stack Web Development, iDeators Training Institute (Mar 2021)