






Premnaath Varadharajan

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EDUCATION

Anna University - College of Engineering, Guindy, India 	Aug. 2019 – Apr. 2023
<i>Bachelor of Technology in Information Technology</i>	8.97/10.0 CGPA
<i>Coursework: Engineering Mathematics, Advanced Data Structures, Operating Systems, Computer Networks</i>	
FIITJEE - Maharishi International Residential School, India 	Apr. 2016 – Mar. 2018
<i>Higher Secondary School Certificate</i>	86%
<i>Secondary School Certificate</i>	10.0/10.0 CGPA

EXPERIENCE

Oracle 	Jan. 2023 – Present
<i>Associate Software Developer</i>	<i>Hyderabad, India - Onsite</i>
<ul style="list-style-type: none">• Worked on Aconex and ConjectMI products in the Construction and Engineering GBU• Implemented a complete integration of Oracle's proprietary DataGrid UI component with Microsoft Excel• Utilized thread pools in Helidon framework to handle concurrent tasks, achieving a 30% reduction in loading times• Actively participated in customer meetings to identify use cases and develop features tailored to their needs	
<i>Project Intern</i>	
<ul style="list-style-type: none">• Handled DevOps tasks, including containerizing applications and creating deployment pipelines• Developed a panning canvas from scratch to enable navigation across screens using mouse drag	
Coral Academy 	Jun. 2024 – Present (Part-Time)
<i>Backend Lead</i>	<i>New York, NY - Remote</i>
<ul style="list-style-type: none">• Led a team of 4 in backend development for an early-stage edtech start-up in the K-12 segment• Integrated Stripe for payments, Zoom for calls and optimized data handling using Supabase, Deno, and PostgreSQL• Designed scalable database schemas and architected the application based on PRD requirements	
Assurant 	May. 2022 – Jul. 2022
<i>Data Analyst Intern</i>	<i>Atlanta, GA - Remote</i>
<ul style="list-style-type: none">• Developed quality control PowerBI dashboards and conducted code reviews• Used direct query approach to minimise time elapsed to extract and transform data from warehouse	

PROJECTS

PDF Wiser  <i>Python, Streamlit, LangChain</i>	Jan. 2024 – Feb. 2024
<ul style="list-style-type: none">• Developed a Streamlit web app that retrieves answers from a provided PDF using natural language processing• Implemented Retrieval Augmented Generation that uses advanced embedding models and re-ranking knowledge graph	
Multitask Offloader  <i>Python, xmlrpc, cProfile, pstats, Edge Computing</i>	Feb. 2023 – Apr. 2023
<ul style="list-style-type: none">• Developed a decision-making algorithm to offload computationally intensive tasks from mobile devices to edge servers• Achieved up to a 40% reduction in computation time for large inputs, enhancing overall efficiency	
Sort Visualizer  <i>Python, TKinter, Sorting Algorithms</i>	Feb. 2022 – Mar. 2022
<ul style="list-style-type: none">• Designed a cross-platform sort visualization app with customizable animation speed, dataset size, and range	
COVID Vaccinator Bot  <i>Python, Flask, Co-WIN Public APIs, PyTelegramBotAPI</i>	Apr. 2021 – May 2021
<ul style="list-style-type: none">• Developed a Telegram bot to expedite vaccine slot bookings by bypassing OTP delays, helping over 50 people secure slots	

TECHNICAL SKILLS

Languages	C++, Java, Python, TypeScript, SQL, HTML, CSS, Z Shell
Libraries & Frameworks	STL, pandas, NumPy, Matplotlib, seaborn, Flask, Django, Supabase, React
Developer Tools	Vim, Git, Linux, Docker, PowerBI, VS Code, IntelliJ

ACHIEVEMENTS

- Received the AXCellence Award for the Extra Mile category from CEGBU's Vice President for FY24 Q3 at Oracle
- Won a \$150 cash prize as a runner-up in Oracle's IGIU FY24 Hackathon
- Participated in Apple's WWDC Swift Student Challenge 2022, earning a free entry ticket worth \$1000 to Apple Park, CA
- Awarded Certificate of Merit by CBSE for securing a perfect 10 CGPA in AISSE session 2015-2016
- Made contributions to [TLDR](#) pages, an open source community driven command line tool
- Online Profiles: [LeetCode](#), [CodeChef](#), [CodeForces](#), [GeeksforGeeks](#), [Hackerrank](#), [Stack Overflow](#)