

Sri Tarun Gulumuru

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EDUCATION

City College of New York, CUNY

New York, NY

Bachelor of Science in Computer Science

May 2024

Relevant Coursework: Data Structures & Algorithms, Object oriented programming, Software Engineering, Computer Architecture, Probability & Statistics for CS, Operating Systems, Database Systems, Programming Language Paradigms, Web Design, Image Processing, AI & Machine Learning

TECHNICAL SKILLS

Languages: Java, Python, SQL, C/C++, JavaScript, TypeScript, HTML, CSS, PHP

Frameworks: React, Node.js, Django, Material-UI, Bootstrap, Tailwind CSS

Developer Tools: Git/GitHub, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, Sanity, WordPress, Microsoft Studio, Google Suite Applications, Figma (UI/UX), MongoDB, Postman, Stripe

EXPERIENCE

IQSpatial

May 2024 - Present

ML FullStack Intern

- Spearheaded the development of ML models in Colab, including a Solar Panel detection model using YOLOv10 with 500 images from the NAIP dataset annotated via roboflow, boosting prediction accuracy from 30% to 75%.
- Collaborated on RAG creation with Gemini LLM to enable users to query uploaded PDFs, reducing LLM costs by 2.79%. Built a Firebase and Python backend for authentication & API calls, maintaining 0 additional costs.

SPEAKHIRE

Jul. 2023 - Aug. 2023

Software Engineering Intern

- Led a team of four in developing the frontend for SPEAKHIRE, a non-profit empowering immigrants' college readiness. Utilized HTML, CSS, JavaScript, React, MUI, and Redux, achieving a 70% increase in website traffic.
- Implemented effective UI features for the company's web application in collaboration with the UI Designer and the team, resulting in a 50% increase in applicants for SPEAKHIRE's leadership courses.

Tech Incubator at Queens College

Feb. 2023 - May 2023

Software Engineering Intern

- Consulted on developing a backend for Active World, an E-commerce startup, and led the creation of a Python system to automate API fetches and database updates, enhancing data availability in database by 20%.
- Developed algorithms for processing API responses from 30+ web services & structured a MySQL database, reducing inconsistencies by 13% in real-time data integration. Teamed up with QA for API integration & security

PROFESSIONAL DEVELOPMENT

CUNY Tech Prep, Fellow

Jul. 2023 - May 2024

- Participated in cohort 9 to learn React, Node + Express, PostgreSQL, MVC, Git/GitHub, agile & Scrum (Trello/Slack), test-driven development, and CI/CD for full stack web development.

CodePath, Android Development Fellow

Feb. 2024 - Apr. 2024

- Created Android apps across 10 projects with industry-standard tools, integrating standard UI like RecyclerView view and internet data querying for single-page apps, ensuring optimal functionality and user experience.

Google Software Engineering Mentee | GSWEPM

Oct. 2023 - Dec. 2023

- Selected as 1 of 80 participants, outperforming 350+ applicants, for 10 weeks of rigorous, technical mentoring sessions with a Google SWE and workshops designed to enhance technical proficiency & interview skills.

PROJECTS

GameRank | React, Express, MongoDB, Bootstrap, Vite

Mar. 2024 - Present

- Engineered and deployed a modern, fully responsive ranking/reviewing application for gamers with more than 350,000 games with the intention of finding gamers with similar taste to team up.
- Implemented a robust review system, incrementing user reviews by 25% and enabled an interactive "Top Reviewers" feature to highlight the most influential gamers in the community.

Booking App | React, MongoDB, Docker, Tailwind, Express, DigitalOcean

Mar. 2023 - May 2023

- Collaborated with 4 peers as DevOps to develop an accommodation booking website using Docker, improving the UI and streamlining the booking process with Digital Ocean, and achieving a 30% reduction in load times.
- Tracked progress with architecture diagrams to ensure adherence to metrics and milestones, maintaining a well-documented codebase with over 90 commits for efficient collaboration and scalability within GitHub.