

Sai Prakash Reddy Nallapareddy

704-965-4820 | snallapa@charlotte.edu | linked.com/in/saiprakash07/ | github.com/Sergio799

EDUCATION

University Of North Carolina at Charlotte

Master of Science in information technology

Charlotte, NC

CGPA: 3.93/4.0

Relevant Coursework: Network Based Application Development, Software System Design and Implementation, Human Centered Design, Big Data, Operating Systems, Applied Databases.

WORK EXPERIENCE

Sports Excitement

Full Stack Developer Intern

New York, NY

Mar 2025 – June 2025

- Developed dynamic, responsive web pages using Next.js and Tailwind CSS, ensuring performance optimization, accessibility, and a mobile- first design approach.
- Collaborated with design and product teams to transform wireframes and user flows into intuitive, visually consistent interfaces.
- Built and integrated RESTful APIs to support smooth client-server communication and feature extensibility.
- Utilized Supabase for back-end services, including authentication, real-time data management, and database operations.
- Actively contributed to both front-end and back-end teams, delivering full-stack features in an agile development environment.

UNCC

Teaching Assistant (Logic & Algorithms)

Jan 2025 – May 2025

- Assisted in delivering core concepts related to problem-solving, recursion, data structures, algorithm design, and Complexity to undergraduate students through weekly lab sessions and review workshops.
- Held weekly office hours and one-on-one sessions to support 100+ students with assignments, debugging code, and deepening their understanding of course material.
- Evaluated and graded programming assignments, projects, and quizzes, offering detailed feedback to help students improve both coding style and logical thinking.
- Collaborated with the course instructor to design challenging yet accessible problem sets, practice tests, and review materials to reinforce classroom learning.
- Led coding walkthroughs and live demonstrations of algorithm implementation (e.g., sorting, search, recursion), helping bridge theory with real-world coding practices.

Accenture

Full Stack Developer

Bangalore, India

May 2022 – Dec 2023

- Developed custom web applications integrated with client systems, streamlining business workflows and improving operational efficiency.
- Diagnosed and resolved system issues, reducing downtime by 30% and ensuring smooth, uninterrupted operations for 200+ end-users.
- Created tailored applications on existing platforms, enhancing functionality and increasing user satisfaction by 40%.
- Built middleware solutions for complex requirements using Node.js and Express, processing 10,000+ API requests daily with 99.9% uptime.
- Designed and implemented front-end applications using JavaScript, React.js, HTML, CSS, Improving user interface responsiveness by 35%.
- Deployed and maintained middleware on AWS EC2 instances, optimizing load balancers and routing for high-traffic environments, monitored via CloudWatch logs for real-time performance insights.
- Integrated MySQL databases with Node.js using Sequelize, improving database query performance by 20% and efficiently managing 75,000+ records.

PROJECTS

Web Cloner

Tech Stack: Figma, Next.js, Tailwind CSS, TypeScript, Fast API, Claude (Anthropic AI), Selenium, aiohttp, Python, Postman.

- Developed a full-stack web app using Next.js, Tailwind CSS, and Fast API, boosting responsiveness by 40% and integrating Claude AI to analyse and summarize content from 1,000+ web pages.
- Built a scalable scraping pipeline using Selenium, aiohttp, and asyncio to extract HTML and DOM content from user-provided URLs, reducing data retrieval time by 60%.
- Implemented CORS, Pydantic validation, and custom URL sanitization to enhance request security and reliability by over 90%.

Property Pulse Web Application

Tech Stack: Figma, Next.js 14, React, Tailwind CSS, MongoDB, Mongoose, Next AUTH, Google OAuth, Cloudinary, Vercel, Postman.

- Developed a full-stack property rental platform with Next.js 14, boosting user engagement by 20%, Implemented secure authentication via Google and Next AUTH, enhancing data protection and access control.

- Designed a responsive UI using Tailwind CSS, improving mobile usability by 35%, Optimized image handling with Cloud nary, reducing page load times by 40%.
- Enhanced search and location filtering through React Geocode and Map box for accurate recommendations, Deployed on Vercel.

Skills

Programming Languages: Java, Python, JavaScript, TypeScript.

Web Development: Html5, CSS, Tailwind CSS, React.js, Redux, Next.js, Node.js, Express.js, Email.js, Django, Flask, Bootstrap, Framer motion, Webpack, Prisma, Mongoose, Sexaulize, Rest Api, Fast Api.

Operating Systems: Linux, Windows.

Ai Tools: Claude, Fire Base Studio, Cursor, GitHub Co-Pilot, Chat Gpt.

Testing frameworks: Selenium, Jest, unit test, Pytest.

Cloud/Databases: AWS, Docker, Kubernetes, My SQL, MS SQL, PostgreSQL, MongoDB, Supa base, Firebase.

Tools: Cloudflare, Cloud nary, Vercel, Canva, Git, GitHub, VS Code, Vite, Postman, Prompt Engineering, MS Word, MS Excel, ShadCN.