




Praneeth Reddy Penugonda

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Education

San Jose State University | San Jose, CA

Aug. 2023 - May 2025

Master of Science in Computer Software Engineering

Vellore Institute of Technology | Vellore, India

July 2019 - July 2023

Bachelor of Technology in Computer Science and Engineering

GPA: 3.95/4.00

Technical Skills

Languages: C/C++, Python, Java, JavaScript, TypeScript, R, PHP, MATLAB, SQL, Object-oriented programming

Web Technologies: HTML, CSS, SCSS, JSON, React, Express.js, Node.js, Nest.js, REST APIs

Others: Linux, Visual Studio, GraphQL, MS Excel, Postman, Eclipse, Node, GIT, MySQL, MongoDB, DuckDB, SQLite, Data Structures, Algorithms, Apache, AWS services, Postgres, Apache Arrow Flight

Experience

Alexa Skill Developer Intern

April 2022 - July 2022

MOBISPRINT CONSULTING PRIVATE LIMITED

Hyderabad, IN

- Reduced the clients' effort by **20%** by giving effective utterances with specific variables for the agent.
- Reduced manual efforts by **85%** by testing the intent and verifying the JSON I/O file thoroughly, including debugging and root cause analysis. Worked with the backend team and created a few slots with NodeJS.

Software Developer Intern

Aug. 2021 - Jan. 2022

MOBISPRINT CONSULTING PRIVATE LIMITED

Hyderabad, IN

- Boosted client earnings by **30 to 40%** through the implementation of "click to chat" and "click to call" features on the homepage using React.js, Node.js, Express.js, and MongoDB.
- Streamlined login process, integrating Redux, Google login, and optimizing client-side endpoints for efficiency.
- Developed and optimized Jenkins and GitLab CI/CD pipelines for efficient automation and static code testing.

Web Developer Intern

Jan. 2020 - April 2020

OXYLATOR TECHNOLOGIES

Hyderabad, IN

- Enhanced user experience by **25%** through the creation of a login page with web API, a search bar-equipped dashboard, and a course page, ensuring intuitive interfaces using HTML, CSS, and JS.
- Implemented a microservices architecture for backend services, with SQL employed for data management.

Projects

MovieTheater Club application | *React JS, Node JS, APIs, MongoDB, AWS services EC2*

- Led full-stack development of a movie ticket booking site using Node.js, MongoDB, and React, collaborating with a 4-member Agile team, implementing CRUD operations in the admin dashboard, utilizing RESTful APIs, hosting on AWS EC2 with autoscaling and load balancing, and deploying frontend on Vercel.

Consistent Hashing using Apache Arrow Flight | *Python, Flask, MongoDB, Next.js, Docker*

- Designed a distributed data system in Python with Flask and MongoDB, employing a hash ring for uniform data distribution, integrated Apache Arrow Flight for efficient server communication, enabled dynamic scaling, and implemented a Dockerized frontend for visualizing data distribution.

Automated Book Locator using Pi | *PHP, jQuery, Bootstrap, Django, SQLite, Python, Raspberry Pi*

- Engineered a dynamic prototype web application utilizing Cloudflare, Nginx, and the Django Rest Framework for the back-end, with PHP and jQuery for the frontend. Implemented Raspberry Pi communication via DRF to locate books and trigger lights. showcasing expertise in creating robust and testable code.

Achievements and Activities

- Adobe Student Ambassador at San Jose State University.
- Published a journal on A Study on Modern Methods for Detecting Mobile Malware in the IRJET, 2022.