SAMAY PUSARLA

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EDUCATION

Master of Computer Science, Oregon State University GPA: 3.7 — Expected Dec 2023

Bachelor of Technology - Computer Science, SRM Institute of Science and Technology, India — 2016 - 2020

SKILLS

Languages	Python, SQL, JavaScript, TypeScript, Java, HTML5, CSS
Frameworks and Databases	React, REST API, Node.js, Express, Vue.js MySQL, Django, MongoDB, PostgreSQL
Cloud Technologies	AWS (EC2, Dynamo DB, S3, Lambda), Firebase (Firestore, Functions, Hosting)
Other	Docker, BASH, UNIX, Data Modeling, Git, RabbitMQ, Figma

EXPERIENCE

Graduate Teaching Assistant — Mar 2023 - Jun 2023
Oregon State University — *Corvallis, OR*

- Teaching assistant and course designer for a graduate parallel programming class. Guided multiple class sections to work with C++, and Bash scripts.

Student Technician — Nov 2021 - Present
Oregon State University — *Corvallis, OR*

- Enabling OSU stakeholders with Tier 1 support to provide a range of IT solutions, including troubleshooting, software upgrades, infrastructure maintenance, and incident management
- Raised 546 support tickets so far and independently handled over 500 more

Data Engineer Intern — Sep 2022 - Oct 2022
MAPMG - Kaiser Permanente — *Remote*

- Developed and designed reusable frameworks and libraries in Python
- Developed, deployed and maintained web services with micro-service architecture using Docker
- Performed REST API calls to a variety of backends
- Facilitated ETL processes between different systems and database technologies, typically using Python and SQL

Software Engineer Intern — Jun 2022 - Sep 2022
Trax Retail — *Remote*

- Created a web app to manage and clean inventory data for the beverage industry
- Built data pipelines to facilitate data cleaning, data integrity checks and identification of errors.
- Engaged in OOP practices and test-driven development–by writing unit tests, mocking and dependency injection
- Used Firebase Functions (Serverless), Firestore, React.js, Node.js, MySQL, Python, and Javascript

PROJECTS

Tarpaulin - A Learning Management System Backend: Implemented REST APIs using express.js, docker, and MySQL with authentication and authorization. The endpoints support user role management, course creation, and assignment submission.

Online Gaming Market Place: Built a website using Flask, a Python framework, and used MongoDB to store and read data. The functions that are performed on the website are login, transaction history, option for selling an item or canceling an item, and verifying the eligibility of items for selling.

COVID-19 Data Web Crawling and MySQL: Developed a statistical dashboard on Excel which used the scraped live COVID cases from the government's website data using scarpy