

ANVITHA PASUMARTHI

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EDUCATION

Master's in Computer Science | Portland State University, Portland, USA

Sept 2021- June 2023

Coursework: Data Structures, Algorithm Design Analysis, Machine Learning, Internetworking Protocols, Operating Systems,

Bachelor's in Technology, Computer Science Engineering|GRIET, India

Aug 2017- Jul 2021

Coursework: Database Management Systems (DBMS), Object-Oriented Design (OOP), Software Engineering.

EXPERIENCE

Portland State University| Facilities Property Management

Sept 2022-Present

- Design and implement data entry procedures to ensure consistency and completeness of data.
- Conduct regular audits to identify and correct data inconsistencies and errors.
- Train new employees on database usage and maintain user documentation.
- Implemented security measures to protect confidential data and prevent unauthorized access.
- Improved database performance by optimizing data structures and implementing indexing and query optimization techniques.
- Utilized SQL and other programming languages to write custom queries and automate database tasks.

Goal Street | Software Engineer Intern

Jan 2021- Jun 2021

- Collaborating with a team of developers to design, develop, and test software applications.
 - Participating in code reviews and contributing to the development of software architecture.
 - Learning and utilizing various programming languages, software development tools, and technologies.
 - Communicating effectively with team members, stakeholders, and customers to ensure project requirements are met.
 - Contributing to team meetings, presenting updates on projects, and seeking feedback from colleagues and mentors.
 - Taking on small projects and tasks to gain experience and contribute to the team's goals.
 - Utilized version control tools like Git and CI tools like Jenkins to manage code changes and deployments.
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TECHNICAL SKILLS

Programming Languages: C, Java, Python, C++

Databases: MySQL, PostgreSQL, Oracle, Mongo

Web Technologies: HTML, CSS, JavaScript, JSON, jQuery, Bootstrap, React.js

Operating Systems: Linux/Unix, Windows

Developer Tools: VS Code, Eclipse, Atlassian Jira, IntelliJ, NPM, Postman, Mocha, Chai, GitHub

Technologies/Frameworks: Spring boot, JUnit, Mockito, Hibernate, AWS, GCP

ACADEMIC PROJECTS

Hern Routing Application | Reactjs, Google Maps Platform

- Implemented a website that allows delivery drivers to reach multiple destinations in a minimal time.
- The application was designed for food delivery drivers and cab drivers to reach multiple destinations in minimal time using real-time traffic updates.
- Used Tom-Tom map SDK to acquire real-time traffic updates.

Internet Relay Chat | JAVA, VS Code

- Developed an Internet relay chat project based on a single-server architecture, allowing users to connect to the same server. Deployed the code in AWS by creating the ec2-instance.
- Implemented using JAVA programming language. Users can create a group, join a group, post a message, publish a broadcast message, see the list of accessible features, and exit a group.

Web Application using ReactJS | ReactJS, HTML, CSS, Bootstrap

- Developed an interactive Web Application that displays the user's current mood with attractive emojis.
- Great gestures using ReactJS, HTML, CSS, and Bootstrap and tested it with Mocha and Chai frameworks.

Plant Disease Detection | Python, HTML, CSS

- Implemented using PyTorch and used CNN Architecture with CNN Layer, Max Pooling.
 - The model was trained by using variants of the above layers mentioned in model building and by varying hyperparameters. The best model was able to achieve 97.5% of test accuracy.
 - The model was tested on a total of 17572 images of 38 classes.
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CERTIFICATES

- Back End Development and APIs of coursework by FreeCodeCamp
- Database Design and Database Programming by Oracle Academy

Sep 2022

Jun 2019