

# MOUNIKA JAVVAJI

Portland, Oregon | Phone: 2036873775 | Email: mounikajavvaji0801@gmail.com  
<https://www.linkedin.com/in/mounika-javvaji/> | Portfolio: <https://mounika-javvaji.github.io/Portfolio/>

## SUMMARY

Detail-oriented and highly skilled Software Engineer with 3+ years of experience as a Software Engineer/System Engineer, specializing in analysis, design, development, and testing. I have worked across various domains, including finance, communications, and healthcare, gaining a thorough understanding of the business needs of different applications. I have also supported and implemented various stand-alone and client-server enterprise applications.

## SKILLS

- **Programming Languages:** Python, Java, C++, C, JavaScript, TypeScript, Golang
- **Frameworks/Libraries:** React, Angular, Nodejs, Bootstrap, NumPy, Pandas, Matplotlib, Django, Flask
- **Databases:** MySQL, MongoDB, PostgreSQL, NoSQL
- **Tools:** Git, Word, Excel, and PowerPoint
- **Cloud Platforms:** AWS
- **Other:** Algorithms Design and Analysis, Agile Methodologies, Linux, Data structures, Object Oriented Programming, Creative, Critical Thinking, Troubleshooting Skills, Communication Skills, Collaboration Skills

## PROFESSIONAL EXPERIENCE

### System Engineer

- Infosys, Hyderabad, IndiaJune 2021– July 2022
- Managed a diverse fleet of vehicles and transportation infrastructure assets within the transportation industry using IBM Maximo Tool, ensuring optimal uptime and adherence to safety standards.
  - Developed and implemented maintenance schedules for critical transportation assets, resulting in reduced downtime by 10% and increased operational efficiency by 20%.
  - Reduced Utilized SQL Server to analyze asset data, identify trends, and generate reports to support data-driven decision making in the transportation sector.

### Software Engineer

- Hexa systems, IndiaJuly 2019 – May 2021
- Involved in analysis, specification, design, and implementation and testing phases of Software
  - Development Life Cycle (SDLC) and agile methodology was used for developing the application. Upgraded existing UI with HTML, CSS, jQuery, and Bootstrap.
  - Working as an application developer experienced with controllers, views, and models in Django.
  - Restful web services using Python REST API Framework.
  - Monitor and maintain application infrastructure performance
  - Tested entire frontend and backend modules using Python on Django Web Framework.
  - Responsible for handling the integration of database systems.
  - Developed Server-side automation using Node JS scripting and connecting different types of SQL and NoSQL stores from Node JS.
  - Used object-relational mapping (ORM) solution, technique of mapping data representation from MVC model to Oracle Relational data model with an SQL-based schema.
  - Wrote unit testing codes using unit test, resolving bugs and other defects using Firebug.
  - Used JIRA to assign, track, report and audit the issues.
  - Used GIT to coordinate team development.

**Student Ambassador**

Undergraduate Admissions, Portland State University, Portland, OR

May 2023 – June 2024

- Operated incoming calls using Amazon Connect software, adeptly addressing inquiries regarding admissions processes and resolving technical issues related to student records with efficiency and accuracy.
- Demonstrated expertise in navigating and troubleshooting technical issues within student records systems, ensuring data integrity and confidentiality.
- Collaborated with cross-functional teams to troubleshoot and maintain technical infrastructure.

**ACADEMIC PROJECTS**

**SFTP Server | Python, Linux**

Agile Software Development 50% |Programming 30% | Testing 20%

- Employed Agile methodology to develop an SFTP server, actively participating in user story development and iteration planning and demonstrated adaptability by transitioning between roles as a Scrum Master and a developer.
- Implemented server functionality using Python, ensuring robustness and reliability through structured coding practices and software engineering principles.
- Conducted thorough unit testing to validate server functionality and adherence to user requirements.

**Knowledge Application | HTML, CSS, JavaScript, Node.js, Express, jQuery, JSON, RESTful API and PostgreSQL.**

UI Design and Development 40% | Programming 35% | Testing 25%

- Led the design and development of the user interface for a knowledge application (intuitive navigation). Featuring quiz questions categorized into basic, medium, and hard levels, with selectable programming language options.
- In Implemented a RESTful API architecture to facilitate seamless communication between the frontend and backend components of the application, enhancing user experience and engagement

**Movie API Server| Golang, React, JavaScript, CSS, HTML, and RESTful Webservices.**

UI Design and Development 20% | Programming 55% | Testing 25%

- Developed a simple API server in Go to fetch movie information from the OMDB API and a sample movie API by genre.
- Implemented functionality to fetch movie details by title using the OMDB API.
- Created endpoints to retrieve movies by genre from a sample movie API.

**Hospital Data Management System | PostgreSQL, Python**

- Developed a database project called Hospital Data Management utilizing PostgreSQL, involving tasks such as data cleaning,structuring, and schema design.
- Imported and cleaned data from diverse sources like Kaggle, and conducted data validation and normalization procedures.
- Gained proficiency in SQL queries, database management, and data manipulation, successfully executing the project withPostgreSQL by establishing a connection through Python.

**EDUCATION**

**Master of Science in Computer Science | 3.7 GPA**

June 2024

Portland State University, Portland, OR, USA

- **Coursework:** Machine learning, Natural language processing, Networking, AI, Software Engineering, Data Engineering, OS, Data Structures, Algorithms, Operating Systems, Database Systems

**Bachelor of Engineering in Computer Science and Engineering**

May 2020

Sathyabama University, Chennai, Tamil Nadu, India

**AWS Cloud Practitioner**

January 2024

Amazon, Seattle, WA, USA

**Analyzing data with Microsoft Power BI**

Oct 2021

Microsoft, India