

# YASHWANTH POKALA

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## Education

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### Master of Science, Information Systems

Northeastern University, Boston, Massachusetts

Expected May 2024

- Relevant Coursework: Application Engineering and Development, Web Design, Database Management and Design, Object-Oriented Design

### Bachelor of Engineering, Computer Science

Osmania University, Hyderabad, Telangana

July 2022

- Relevant Coursework: Data Structures and Algorithms, Web Development, OOPs using Java, Operating Systems, Analysis of Algorithms, Software Engineering

## Experience

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### Software Developer Intern

June 2023 - August 2023

PTC (Onshape), Boston, MA

- Implemented a feature allowing non-admin users to provide edit access to standard content
- Improved user experience by introducing a properties option in the context menu for non-geometric items, addressing the previous limitation where non-admin users couldn't view properties
- Demonstrated expertise in Angular with TypeScript, Spring framework and RESTful APIs, leveraging these technologies to extend software functionality
- Collaborated effectively with UI/UX and QA teams to gather requirements, design, and implement solutions meeting user needs
- Resolved all the critical bugs prior to deployment, ensuring a highly stable and reliable user experience
- Utilized essential tools such as Git, Jira, RBCCommons, and Docker to streamline and enhance project workflows

### Software Engineer Intern

January 2022 - April 2022

INFOSYS, Mysore, India

- Designed and developed a Full-Stack Python web application, the Skill Demand Dashboard, utilizing Flask framework
- Led an Agile team of 4 as the Project Team Lead (Scrum Master), facilitating daily stand-up meetings and sprint planning
- Skillfully designed and built databases, incorporating SQL and integrating with tools such as Microsoft SQL Server Integration Services and MySQL, to enhance data management and analysis
- Contributed to the Software Testing and Debugging process
- Identified the fastest-growing skills with a growth rate of 370% over the past five years

## Skills

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- PROGRAMMING LANGUAGES: Java, Python, JavaScript
- DATABASE: MySQL, Microsoft SQL Server
- WEB DEVELOPMENT: Flask, Spring, HTML, CSS, JavaScript, Angular, ReactJS, REST APIs
- TOOLS/IDE: Eclipse, PyCharm, Netbeans, VS Code, Jupyter Notebook, MySQL Workbench, Git, Jira, RBCCommons

## Projects

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### **ELECTRONIC RETAILER'S MANAGEMENT SYSTEM, Osmania University**

- Developed a dynamic single-page web application using Flask, and React JS for data analysis and recommendation of top-rated products to local retailers. Executed web scraping on large-scale e-commerce websites and performed sentiment analysis using Recurrent Neural Networks (RNN). Additionally, designed exploratory plots using Matplotlib and Seaborn to provide monthly sales insights

### **EMERGENCY HEALTHCARE SYSTEM FOR MASS CASUALTY INCIDENTS, Northeastern University**

- Led a team of three to create a globally scalable multi-party Java Swing application with an intuitive GUI using JFrame and JPanel with CardLayout for enhanced usability. Deployed Object-Oriented methodologies for the back-end development, utilizing Git for version control and collaboration in a Linux environment

### **Find My College, Osmania University**

- Developed a PHP and MySQL-backed backend infrastructure to bolster web-based front-end applications, employing HTML, CSS, and JavaScript within a Linux environment. Constructed the application's interface code utilizing JavaScript and React.JS, aligning it with pre-established designs. The development process was facilitated through Visual Studio Code, with adept utilization of Git for version control and collaborative efforts.