Jyothika Jalla

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EDUCATION

Northeastern University, Boston, MA   **Expected Graduation: May 2025**
Master of Science in Computer Science   *GPA: 3.6*
Jawaharlal Nehru Technological University, Hyderabad, India   **May 2022**
Bachelor of Technology, Information Technology   *GPA: 3.5*

TECHNICAL SKILLS

Languages: Python, Java, C++, R, C#.
Front-End Development: React.js, JavaScript, AJAX, JSX, jQuery, HTML5, CSS, Bootstrap, Charts.js.
Back-End Development: Node.js, Express.js, Mongoose, PHP, Flask, Django, ASP.NET.
Database Systems: MySQL, MongoDB, PostgreSQL, Oracle, MS Access, SQLite, DB2.
Cloud: AWS (EC2, RDS, S3, IAM, ELB).
Libraries: Matplotlib, Scikit-learn, Seaborn, JSON, XML, PyQt5, MS Excel.
Deployment Platforms: Netlify, Render.js, Apache Tomcat, NGROK.
Developer Tools: Git, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse.

EXPERIENCE

Graduate Teaching Assistant - *Fundamentals of Cloud Computing*   May 2024 – Present
Khoury College of Computer Sciences   *Boston, MA*
- **Led hands-on AWS labs**, enhancing students' practical abilities in **major cloud services** and applications.
- Instructed in core **cloud computing** concepts, strategically equipping and guiding over **180** students for successful **AWS certification** outcomes through comprehensive and targeted deadlines.

Graduate Teaching Assistant - *Computer Science Applications*   September 2023 – May 2024
Khoury College of Computer Sciences   *Boston, MA*
- Collaborated seamlessly with professor to lead programming labs, grade assignments with precision and assisted over **100** students in the course **Computer Science and its Applications.**
- Provided personalized guidance on **Excel lambda and built-in functions, visualizations, and pivot tables.**

PROJECTS

FestiFIND | *React.js, Redux, Node.js, MongoDB, Render.js, Netlify, Git*   December 2023
- Developed FestiFIND, a dynamic **event ticket booking** platform, integrating a **search bar**, leveraging **Ticketmaster API**, for blended **real-time** and **user-generated** event listings.
- Boosted user engagement by enabling features like event **liking, reviewing,** and **user profile navigation.**
- **Buyers book tickets, sellers showcase events,** and **administrators manage users.**
- Engineered **back-end functionalities** for event creation and management, enabling sellers to showcase events and administrators to oversee platform operations, streamlining administrative processes by **40%.**

Savor Delights Diner | *Flask(Python), MySQL, Git*   November 2023
- Architected a **Restaurant Management System**, streamlining a **role-based access control** for customers, chefs, and managers, enhancing operational security and user-specific functionality.
- Integrated **real-time features** such as **order management, table reservations,** and **chef queues**, and produced **managerial analytics dashboard** using the **matplotlib** library for business insights.
- Enhanced customer interaction with a **user-friendly experience**, enabling **menu exploration** and **order placement** in a few clicks, enhanced by a **clean UI** showcasing diverse cuisines from a renowned Indian chef.

AU Dashboard | *Flask(Python), SQLite, Pandas, Charts.js, NGROK*   April 2022
- Constructed a full-stack web application utilizing **Flask** Framework to facilitate efficient **data analysis** and **visualizations** from **Excel** sheets detailing university-wide data, accelerating data processing time by **60%.**
- Utilized **Charts.js** for engaging and smooth **data visualizations**, significantly improving user experience.

Anurag Assessment Portal | *PHP, MySQL, HTML, CSS, JavaScript*   December 2021
- Implemented the Anurag Assessment Portal, a web-based application facilitating **exam-taking** for users online, minimizing manual grading time by **70%.**
- Integrated an admin module for **exam duration setting, PDF question paper upload,** and implemented **automatic test termination** for fairness, with secure storage of user answers for instant **result projection.**