

Sudip Sharma

Youngstown, OH 44504

📞 (330) 884-8262 | ✉️ ssharma17@student.yzu.edu | 📧 sharma-sudip | 🌐 /sharmasudip

Education

Youngstown State University

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

- Awards & Honors: Honors Scholarship, Dean's List, President List
- Relevant Coursework: Operating Systems, Data Structures & Algorithms, Object-oriented Programming

Youngstown, Ohio

Aug 2018 - May 2022

Technical Skills

Programming Languages

Java, Python, JavaScript, C, C++, SQL, HTML, CSS, LaTeX

Technologies

React, Nodejs, Git, GitHub, MySQL, Postgres, Postman, WebSphere, Java Server Pages (JSP), AWS, API, DB2, Gradle, Maven

Tools

NetBeans, VS Code, Visual Studio, Code-Blocks, PyCharm, Terminal, Eclipse

Platforms

Linux, Web, Windows, Arduino

Work Experience

Delta Airlines

SOFTWARE DEVELOPER

- Contributed to the successful migration of legacy applications to AWS Cloud, utilizing S3 storage, AWS Secret Manager (ASM), and AWS CLI for efficient management.
- Developed secure Restful APIs with Spring Boot framework, implementing OAuth authentication.
- Managed DB2 and PostgreSQL databases for efficient data storage and retrieval.
- Deployed applications to WebSphere Application Server, ensuring seamless deployment.
- Proficient in Git, Jenkins, Gradle, and Maven for streamlined version control, continuous integration, and build management.
- Conducted thorough unit and integration testing, created comprehensive API documentation, and demonstrated expertise in web development with JSP, Struts, and ORM tools.

Minneapolis, MN

Aug 2022 - May 2023

Technova Global

SOFTWARE DEVELOPER INTERN

- Assisted senior developers in creating a full stack application using react for the front end and spring boot for the backend.
- Participated in code reviews and debugging gaining valuable insights on the intricacies of enterprise level applications.
- Acquired in-depth understanding of Java 8 features like lambda functions, Optional classes etc.

Dallas, TX

May 2022- Aug 2022

Relevant Projects

FULL-STACK WEB APPLICATION USING MERN(MONGODB, EXPRESS, REACT, NODE.JS) STACK

- Developed a robust backend API and implemented RESTful endpoints for user registration, authentication, profile updates, and deletion, providing seamless user management functionalities.
- Developed comprehensive error handling mechanisms and utilized secure authentication mechanisms such as JWT (JSON Web Token) for enhanced security.
- Integrated Redux Toolkit for efficient state management and utilized React Bootstrap for responsive UI components.
- Prepared the application for production by optimizing the codebase, configuring PM2 for process management, and setting up NGINX for effective routing and load balancing.

USED CARS PRICE PREDICTOR USING MACHINE LEARNING

- Engineered a predictive model using Linear Regression to estimate used car prices based on mileage, year, and condition.
- Employed Pandas for data preprocessing, transforming raw data into a structured format optimized for analysis and training.
- Leveraged Matplotlib to visualize insights through scatter plots and box plots, revealing correlations between car features and pricing.
- Used Jupyter Notebook to iteratively develop and fine-tune the model, implementing (MAPE) for accurate evaluation.
- Demonstrated ability to work with large datasets, effectively cleaning and transforming raw data into a structured format suitable for training the linear regression model.

GAME PROGRAMMING

- Developed an unbeatable 4x4 tic-tac-toe game using Java implementing MIN-MAX Algorithm and Breadth-First Search for intelligent move selection.
- Created a Graphical User Interface (GUI) based Tetris game using JAVA, Java Swing for JavaFX.
- Integrated SDL library to program a 2D tile-based game using C language that allows users to navigate and collect points.(Based on a 1990s classic game by John Romero)