YASH SHAH

Raleigh, NC | yshah5@ncsu.edu | (984)-379-9696 | LinkedIn | GitHub | Leetcode

Education

North Carolina State University, Raleigh, NC **Aug'24 - May'26**
- Master of Computer Science (expected)
- Coursework: Design and Analysis of Algorithms, Software Engineering, Operating Systems

K.J. Somaiya College of Engineering, Mumbai, IN **Sep'20 - Jun'24**
- Bachelor of Technology in Computer Engineering | CGPA : **9.72**
- Coursework**:** Object Oriented Programming Methodologies, Database Management Systems, Computer Networks, Artificial Intelligence, Machine Learning

Skills

Programming Languages : C/C++, Java, Python, JavaScript, TypeScript, Dart, Golang, YAML
Web and App Development : HTML, CSS, NodeJs, ExpressJs, ReactJs, Angular, Flutter, TailwindCSS
Databases and Tools : MySQL, PostgreSQL, MongoDB, Firebase, Git, AWS, DevOps, CI/CD, Heroku, Vercel

Work Experience

Software Engineer Intern | nVent **Jan'24 - Jul'24**
- Collaborated on the development of a data-processing tool in Angular that reads Excel data, allows users to filter columns or report types, and generates customized CSV exports, improving data accessibility over its legacy counterpart by 200%.
- Conducted a detailed technical inspection of the legacy Viper tool, written in Delphi and Pascal, to create comprehensive documentation of its role in optimizing power distribution, and developed a YAML-based object model for cloud migration.
- Implemented unit and functional tests for all developed components using Karma, Jasmine, Gherkin, and Cucumber, elevating software reliability and minimizing production defects by approximately 60%.

Software Developer Intern | Adigos Soft Technologies **Apr'22 - Sep'22**
- Developed the BidWise mobile app using React Native, allowing users to participate in real-time auctions for products and antiques and introduced a unique reverse bidding feature for government projects.
- Utilized Express.js and Node.js for server-side development to handle user details, product data, and auction and bid history, and incorporated web sockets for real-time bid updates.
- Integrated a Linear Regression-based model to predict fair prices of auction items for sellers, taking into account factors such as product category and age and achieved an accuracy of 78%.

Projects

Multilingual Hate-Speech Detection | source code **Aug'23 - Oct'23**
- Trained a multilingual Natural Language Processing model in Python using Naive Bayes and Random Forest classifiers to classify hate speech in social media comments, achieving 81% accuracy.
- Built data preprocessing pipelines with NLTK, applying tokenization, lemmatization, and stop word removal to clean and prepare text data for model training.

MuscleCraze | source code **Oct'22 - Nov'22**
- Created an e-commerce platform using React.js, enabling users to purchase health supplements and utilized Redux for state management to synchronize cart operations, product data, and user sessions across the application.
- Employed Express.js, Node.js, and MongoDB on the backend to handle user authentication, product management, and cart details, ensuring secure and efficient data storage and retrieval.

Tip Me An Ether | source code | link **Feb'22 - Mar'22**
- Designed and built a decentralized application on the Ethereum blockchain using React.js,Tailwind CSS and Firebase, enabling fans to tip content creators in cryptocurrency without requiring bank account connections.
- Enabled secure Metamask login and seamless blockchain interaction through Web3 authentication and Moralis API, enhancing both user privacy and security.

Positions of Responsibility

Software Team Member | The Marine Robotics Team, K.J.Somaiya College of Engineering **Sep'20 - Aug'21**
- Engineered and optimized object detection algorithms using OpenCV to enhance the robot's perception by 30% in complex underwater environments.
- Built and trained deep learning models with TensorFlow to improve the robot's ability to identify boundaries and edges, ensuring robust and adaptive navigation in marine settings.