

Meet Chanchad

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EDUCATION

- The University of Texas at Dallas** Richardson, TX May 2023
Masters in computer science GPA: 3.67/10
Relevant Courses: Design and Analysis of Algorithms, Database Design, Web Programming Languages, Machine Learning, Statistical Method for Data Science, Developing and securing cloud edge and IoT
- Gujarat Technological University** Gujarat, India May 2021
Bachelor of Technology in Computer Engineering GPA: 9.48/10
Relevant Courses: Object Oriented Programming with C++ and Java, Operating Systems, Data Structures, Compiler Design, Analysis and Design of Algorithms, Artificial Intelligence, Data Mining and Business Intelligence, Advanced Engineering Mathematics, DBMS, Cyber Security, System Programming

TECHNICAL SKILLS

- **Languages:** Python, JavaScript, C/C++, Java, R, TypeScript, HTML5, CSS3, SQL
- **Frameworks & Libraries:** Node, React, Angular, jQuery, Django, Express, Mongoose, Bootstrap, sklearn, Pandas, NumPy
- **Developer Tools:** Git, Postman, VS Code, IntelliJ, Jenkins, Kubernetes, JIRA, REST
- **Platforms:** Linux, Windows, Google Cloud Platform, Git-Hub
- **Databases:** MySQL, Oracle, MongoDB

EXPERIENCE

- Software Developer Intern** May 2020 – Oct 2020
Amelia Los Angeles, California
- Worked on development of a responsive web app called Amelia - A mental health tool for work. Utilized React, Axios, and react-router to create dynamic components for the SPA.
 - Applied Agile development practice to create Node.js powered secure RESTfull API endpoints leveraging ExpressJS.
 - Integrated MongoDB no-SQL database for fast and efficient database operations.
- Web Development Intern** Jan 2020 – Mar 2020
Rlogical techsoft Ahmedabad, India
- Worked on the backend development of job portal website using Django Python Framework.
 - Participated in team meetings and collaborated with a team of interns and followed agile methodology throughout SDLC to tailor and develop projects fulfilling client requirements. Built robust APIs taking into consideration complex business logic functions.
- Jr. Programmer Intern** Nov 2019 – Jan 2020
Dentaweb services Ahmedabad, India
- Played an instrumental role in development during core infrastructure migration process of the SaaS platform.
 - Collaborated with a team and redesigned the MySQL schema from scratch which improved the overall development experience and improved the query fetch time by 20%.
 - Optimized and load tested all the critical queries which helped in reducing the data fetch time by 30%.

PROJECTS

- MERN Stack E-commerce PC parts Store** Sep 2021 – Nov 2021
- Developed website for PC hardware products using **React.js** where users can register, login, manage their cart, and customize their PC configurations by search and filter through products. These requests are handled by a **Rest-full API** built using **Axios, Express.js and Node.js**
 - Used **Mongo DB** and **Mongoose** for database operations and aggregations while using **Git / Git-hub** for version control
- Agriculture automation and recommendation system** Jan 2020 – May 2021
- Created a platform to aid farmers with new technologies in automation of farms. Created an interface using **React.js, Bootstrap**.
 - Collecting live field data using an array of sensors uploaded to an **API** developed using **Express.js, Node.js** and utilized it for live reports and monitoring, aided with **MongoDB** for efficient querying, along with providing strategic recommendations to farmers
- Movie Recommendation Engine** May 2019 – Dec 2019
- User rating prediction using **Collaborative filtering** and used concept of **K-nearest neighbors** to sort predicted ratings and movies. Achieved an RMSE value of 0.90
- Image Compression Algorithm** Jan 2019 – May 2019
- Achieved a decent image quality with 1/6 compression ratio using **K-means algorithm**
- Spam Email Detection System** Jan 2019 – May 2019
- Achieved a 95.5 accuracy detecting spam email using **MCAP Logistic Regression** Algorithm